From: (b) (6)
Sent: Wed, 5 Feb 2020 08:56:13 -0500
To: Baden, Lindsey, M.D.
Cc: Marston, Hilary (NIH/NIAID) [E];Conrad, Patricia (NIH/NIAID) [E];Lerner, Andrea (NIH/NIAID) [E];Lane, Cliff (NIH/NIAID) [E];Morens, David (NIH/NIAID) [E]
Subject: Re: favor

(b) (6), (b) (4)

On Feb 5, 2020, at 8:29 AM, Baden, Lindsey, M.D. <lbaden@nejm.org>wrote:

Tony,

(b) (6), (b) (4)

Lindsey

From: "Fauci, Anthony (NIH/NIAID) [E]" (b) (6)
Date: Tuesday, February 4, 2020 at 7:06 PM
To: "Baden, Lindsey, M.D." <lbaden@nejm.org>
Cc: "Marston, Hilary (NIH/NIAID) [E]" (b) (6) "Conrad, Patricia (NIH/NIAID) [E]" (b) (6), "Lerner, Andrea (NIH/NIAID) [E]" (b) (6), "Lane, Cliff (NIH/NIAID) [E]" (b) (6)>, "Morens, David (NIH/NIAID) [E]" (b) (6)>
Subject: RE: favor

Lindsey:

(b) (6), (b) (4)

Best regards,
Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03

31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520
Phone: (b) (6)
FAX: (301) 496-4409
E-mail: (b) (6)
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From: Baden, Lindsey, M.D. <lbaden@nejm.org>
Sent: Tuesday, February 4, 2020 3:35 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Cc: Marston, Hilary (NIH/NIAID) [E] (b) (6); Conrad, Patricia (NIH/NIAID) [E] (b) (6)
Subject: Re: favor

Tony (and Hilary),
Much appreciated. (b) (6), (b) (4).
Thank you,
Lindsey

From: "Fauci, Anthony (NIH/NIAID) [E]" (b) (6)
Date: Tuesday, February 4, 2020 at 2:16 PM
To: "Baden, Lindsey, M.D." <lbaden@nejm.org>
Cc: "Marston, Hilary (NIH/NIAID) [E]" <(b) (6), "Conrad, Patricia (NIH/NIAID) [E]" (b) (6)
Subject: RE: favor

Lindsay:

(b) (6), (b) (4)

Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health

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Phone: (b) (6)
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From: Baden, Lindsey, M.D. <lbaden@nejm.org>
Sent: Tuesday, February 4, 2020 12:31 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: favor

Tony,

(b) (6), (b) (4)

Thank you for considering,
Lindsey

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received this message in error, please contact the sender immediately by return email and delete the original message from all computer systems. Thank you.

From: (b) (6)
Sent: Wed, 5 Feb 2020 08:41:40 -0500
To: Baden, Lindsey, M.D.
Subject: Re: favor

Thanks, Lindsey. I am always happy to help in any way I can

On Feb 5, 2020, at 8:32 AM, Baden, Lindsey, M.D. <lbaden@nejm.org>wrote:

Tony,
On a different note, as the spread of the nCoV-2019 virus is so complex and fast moving, any advice on how we at the *Journal* can help in the response would be great.
Your advice is always appreciated as we all try to get it right and be responsive.
Lindsey

From: "Fauci, Anthony (NIH/NIAID) [E]" (b) (6)
Date: Tuesday, February 4, 2020 at 7:06 PM
To: "Baden, Lindsey, M.D." <lbaden@nejm.org>
Cc: "Marston, Hilary (NIH/NIAID) [E]" (b) (6), "Conrad, Patricia (NIH/NIAID) [E]" (b) (6), "Lerner, Andrea (NIH/NIAID) [E]" (b) (6)>, "Lane, Cliff (NIH/NIAID) [E]" (b) (6) "Morens, David (NIH/NIAID) [E]' (b) (6)
Subject: RE: favor

Lindsey:

(b) (6), (b) (4)

Best regards,
Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520

Phone: (b) (6)
FAX: (301) 496-4409
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From: Baden, Lindsey, M.D. <lbaden@nejm.org>
Sent: Tuesday, February 4, 2020 3:35 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Cc: Marston, Hilary (NIH/NIAID) [E] (b) (6); Conrad, Patricia (NIH/NIAID) [E] (b) (6)>
Subject: Re: favor

Tony (and Hilary),
Much appreciated (b) (6), (b) (4).
Thank you,
Lindsey

From: "Fauci, Anthony (NIH/NIAID) [E]" (b) (6)
Date: Tuesday, February 4, 2020 at 2:16 PM
To: "Baden, Lindsey, M.D." <lbaden@nejm.org>
Cc: "Marston, Hilary (NIH/NIAID) [E]" (b) (6), "Conrad, Patricia (NIH/NIAID) [E]" (b) (6)
Subject: RE: favor

Lindsay:

(b) (6), (b) (4)

Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520
Phone: (b) (6)

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From: Baden, Lindsey, M.D. <lbaden@nejm.org>
Sent: Tuesday, February 4, 2020 12:31 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
Subject: favor

Tony,

(b) (6), (b) (4)

Thank you for considering,
Lindsey

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 11:52:41 +0000
To: Conrad, Patricia (NIH/NIAID) [E]
Subject: FW: INTERVIEW- A HABER/ A NEWS

For discussion.

From: GULSEN EDA ULUSOY <EDA.ULUSOY@ahaber.com.tr>
Sent: Wednesday, February 5, 2020 3:23 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: INTERVIEW- A HABER/ A NEWS

Dear Mr. Fauci,

This is Eda Ulusoy from Turkey's number one ranking news channel A Haber/ A News.

We would like to take few minutes of your time and kindly ask if we could possibly have the opportunity to make a Skype interview with you about China coronavirus outbreak.

We can have the interview this week or next week. I can arrange it according to your programme.

It will only take 15 minutes of your time.

We would really appreciate if we can make this interview.

Thank you for your kind consideration.

I'm looking forward to your reply.

Sincerely,

Eda Ulusoy
Correspondent

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 11:52:11 +0000
To: Conrad, Patricia (NIH/NIAID) [E]
Subject: FW: Interview invitation from Dialogue CGTN

:et us discuss.

From: Bai Jacinta (b) (6)
Sent: Wednesday, February 5, 2020 2:58 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>; Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
Subject: Interview invitation from Dialogue CGTN

Dear Mr. Fauci,

This is Jacinta from Dialogue, CGTN of China Central Television. I hope this email finds you well.

I'm reaching out to ask if you have time for a satellite interview at 6:30 am on Feb 6, Thursday, DC time. I read the interview to you on New York Times and sincerely wish that you could share more with our global audience. It would be our honor to have you on.

Topics will cover the evolution of coronavirus and its mortality rate, difficulties in controlling the outbreak, cooperation in international communities, prevention measures and so on.

Please kindly let me know if you are available for the show. I'll send the proposed questions beforehand and book the closest studio for you.

Appreciate it!

Best,
Jacinta Bai
Dialogue, CGTN

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 11:34:46 +0000
To: Ho, David D.
Cc: Conrad, Patricia (NIH/NIAID) [E];Barasch, Kimberly (NIH/NIAID) [C]
Subject: RE: 2019-nCoV

David:
Thanks for the note. Please have your office contact my Special Assistant, Patty Conrad (copied here) to set up a call. I down at the Congress and White House most of the day, but we can probably squeeze a call in between meetings.
Best,
Tony

From: Ho, David D. [redacted] (b) (6)>
Sent: Tuesday, February 4, 2020 12:48 PM
To: Fauci, Anthony (NIH/NIAID) [E] [redacted] (b) (6)>
Subject: 2019-nCoV

Tony,

Greetings. As you can see below, our institute has moved. We are now part of Columbia.

Do you have a brief moment to chat about the new coronavirus?

Best,

David

David D. Ho, M.D.
Director, Aaron Diamond AIDS Research Center
Clyde and Helen Wu Professor of Medicine
Director, Wu Family China Center
Columbia University Vagelos College of Physicians and Surgeons
701 W. 168th Street, HHSC 1102
New York, NY 10032

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 11:17:05 +0000
To: Collins, Francis (NIH/OD) [E]
Cc: Harper, Jill (NIH/NIAID) [E];Johnson, Martin S. (NIH/NIAID) [E];Conrad, Patricia (NIH/NIAID) [E];Tabak, Lawrence (NIH/OD) [E];Shapiro, Neil (NIH/OD) [E];McGowan, John J. (NIH/NIAID) ([redacted (b) (6)];Auchincloss, Hugh (NIH/NIAID) [C] [redacted (b) (6)]
Subject: RE: Coronavirus

Francis:

[redacted (b) (5)]

[redacted (b) (5)] Happy to discuss further.

Thanks,
Tony

From: Collins, Francis (NIH/OD) [E] <[redacted (b) (6)]
Sent: Wednesday, February 5, 2020 5:58 AM
To: Fauci, Anthony (NIH/NIAID) [E] [redacted (b) (6)]
Cc: Tabak, Lawrence (NIH/OD) [E] [redacted (b) (6)]>; Shapiro, Neil (NIH/OD) [E] [redacted (b) (6)]
Subject: FW: Coronavirus
Importance: High

Hey there Tony,

[redacted (b) (5)]

Thanks, Francis

From: Shapiro, Neil (NIH/OD) [E] [redacted (b) (6)]>
Sent: Tuesday, February 4, 2020 8:31 PM
To: Collins, Francis (NIH/OD) [E] <[redacted (b) (6)]>; Tabak, Lawrence (NIH/OD) [E] [redacted (b) (6)]>; Johnson, Alfred (NIH/OD) [E] [redacted (b) (6)]; Wolinetz, Carrie (NIH/OD) [E] [redacted (b) (6)]>; Hallett, Adrienne (NIH/OD) [E] [redacted (b) (6)] Schwetz, Tara (NIH/OD) [E] [redacted (b) (6)]>

Cc: Shaya, Cecile (NIH/OD) [E] (b) (6)
Subject: RE: Coronavirus
Importance: High

(b) (5)

From: Shapiro, Neil (NIH/OD) [E]
Sent: Tuesday, February 4, 2020 4:46 PM
To: Collins, Francis (NIH/OD) [E] (b) (6)>; Tabak, Lawrence (NIH/OD) [E] (b) (6); Johnson, Alfred (NIH/OD) [E] (b) (6)>; Wolinetz, Carrie (NIH/OD) [E] (b) (6); Hallett, Adrienne (NIH/OD) [E] (b) (6) Schwetz, Tara (NIH/OD) [E] (b) (6)
Cc: Shaya, Cecile (NIH/OD) [E] (b) (6)
Subject: RE: Coronavirus

Francis,

(b) (5)

Neil

From: Shapiro, Neil (NIH/OD) [E]
Sent: Wednesday, January 29, 2020 2:34 PM
To: Collins, Francis (NIH/OD) [E] (b) (6); Tabak, Lawrence (NIH/OD) [E] (b) (6); Johnson, Alfred (NIH/OD) [E] (b) (6); Wolinetz, Carrie (NIH/OD) [E] (b) (6); Hallett, Adrienne (NIH/OD) [E] (b) (6)
Subject: RE: Coronavirus

I'm sending them the first part, thanks.

From: Collins, Francis (NIH/OD) [E] < (b) (6)
Sent: Wednesday, January 29, 2020 5:23 AM
To: Tabak, Lawrence (NIH/OD) [E] (b) (6) Shapiro, Neil (NIH/OD) [E] (b) (6) Johnson, Alfred (NIH/OD) [E] (b) (6); Wolinetz, Carrie (NIH/OD) [E] (b) (6); Hallett, Adrienne (NIH/OD) [E] (b) (6)
Subject: RE: Coronavirus

(b) (4)

FC

From: Tabak, Lawrence (NIH/OD) [E] (b) (6)
Sent: Tuesday, January 28, 2020 6:25 PM
To: Shapiro, Neil (NIH/OD) [E] (b) (6) Collins, Francis (NIH/OD) [E] (b) (6); Johnson, Alfred (NIH/OD) [E] (b) (6); Wolinetz, Carrie (NIH/OD) [E] (b) (6); Hallett, Adrienne (NIH/OD) [E] (b) (6)
Subject: Re: Coronavirus

(b) (5)
Larry

From: "Shapiro, Neil (NIH/OD) [E]" (b) (6)
Date: Tuesday, January 28, 2020 at 5:31 PM
To: Francis Collins (b) (6), "Tabak, Lawrence (NIH/OD) [E]" (b) (6), "Johnson, Alfred (NIH/OD) [E]" < (b) (6) "Wolinetz, Carrie (NIH/OD) [E]" < (b) (6), "Hallett, Adrienne (NIH/OD) [E]" (b) (6)
Subject: Coronavirus

(b) (5)

Neil

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 04:18:25 +0000
To: Conrad, Patricia (NIH/NIAID) [E]
Subject: RE: Business Council - Invitation to speak at the February 20-21, 2020 meeting at the Ritz Carlton (22nd and M St. NW), Washington, D.C.

No dinner.

From: Conrad, Patricia (NIH/NIAID) [E] (b) (6)>
Sent: Tuesday, February 4, 2020 11:21 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Cc: Barasch, Kimberly (NIH/NIAID) [C] (b) (6)
Subject: FW: Business Council - Invitation to speak at the February 20-21, 2020 meeting at the Ritz Carlton (22nd and M St. NW), Washington, D.C.

See highlight – will you and (b) (6) attend the dinner. Pls advise.

Patricia L. Conrad
Public Health Analyst and
Special Assistant to the Director
National Institute of Allergy and Infectious Diseases
The National Institutes of Health
31 Center Drive, MSC 2520 - Room 7A03
Bethesda, Maryland 20892
(b) (6)
301-496-4409 fax

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From: Marlene Colucci <mcolucci@businesscouncil.com>
Sent: Friday, January 31, 2020 2:00 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Cc: Conrad, Patricia (NIH/NIAID) [E] (b) (6); David Rubenstein <David.Rubenstein@carlyle.com>; MaryPat Decker <marypat.decker@carlyle.com>
Subject: Business Council - Invitation to speak at the February 20-21, 2020 meeting at the Ritz Carlton (22nd and M St. NW), Washington, D.C.

Dear Dr. Fauci,

On behalf of our co-chairs for the winter meeting of The Business Council, David Rubenstein of The Carlyle Group and Ginni Rometty of IBM, we would like to formally invite you to participate in our meeting on February 20-21, 2020 in Washington, D.C. The theme of the meeting is "The Next Decade." (See formal invitation attached as well as list of CEO members).

We would like for you to participate in a 50 minute fireside chat with David Rubenstein (and possibly Dr. Francis Collins) to discuss the current coronavirus as well as what we should expect in the next decade. We want to give our CEOs insights into what the next 10 years will bring in terms of detection, diagnosis and treatment of diseases. All conversations are strictly off the record and closed press. We will cover all lodging and transportation.

As you know, The Business Council is comprised of the chief executive officers of the largest global corporations, representing all segments of the economy. We expect at least 150 CEO members, spouses and speakers to be in attendance.

As a participant you and your spouse are also invited to join us for our special reception, dinner and speaker at the REACH (Kennedy Center) on Thursday, February 20 at 6:30pm. It is the best opportunity for you to meet our CEO members and spouses, speakers and other special guests in an informal atmosphere.

If you are interested and available, please let me know. We can also set up a very brief call with you to discuss any additional details and answer any questions you may have. We look forward to hearing from you and would be honored to have you participate with us again.

Warmest regards,

Marlene

Marlene Colucci

EXECUTIVE
DIRECTOR

THE BUSINESS COUNCIL

T: 202-298-7650
C: (b) (6)
F: 202-785-0296

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 04:17:19 +0000
To: Routh, Jennifer (NIH/NIAID) [E]
Cc: Billet, Courtney (NIH/NIAID) [E]
Subject: FW: Comment on story about how confident people feel about their govt's response to a health epidemic

Please try to draft a response for me. Thanks.

From: Rajeshni Naidu-Ghelani <Rajeshni.Naidu-Ghelani@ipsos.com>
Sent: Tuesday, February 4, 2020 12:23 PM
To: Fauci, Anthony (NIH/NIAID) [E] <(b) (6)
Subject: Comment on story about how confident people feel about their govt's response to a health epidemic

Hi Dr. Fauci,

I hope all is well. I'm working on a news story tied to the coronavirus outbreak and tying it to how people responded to a recent global Ipsos poll about the threat of a major health epidemic in their country in the next 12 months. https://www.ipsos.com/sites/default/files/ct/news/documents/2019-11/a-more-dangerous-world-fear-2019.pdf

I was hoping to get your comments on this, considering your expertise in infectious disease control. Below are some questions. If you could respond via email, that would be great as I am on a tight deadline to get this story up. If it's easier to give you a call, I can do that as well. Please let me know what works best. The story will be published on Ipsos.com, on social media and our various country websites. Thank you and I look forward to your response.

1. In our survey of more than 18,500 people in 28 countries done in late last summer, more than half (51%) of people said there was threat of a major health epidemic in their country in the next 12 months with people in emerging markets at the top of the list. Are you surprised by this result? It's among the highest reading for this question since the Ebola outbreak in 2014 when the percentage climbed to 59%.
2. The U.S. is the only developed country in the top 10 list where most people think a major health epidemic will occur. Why do you think this is?
3. A follow up question to the previous one is how confident people are that their government could protect them or respond effectively if such an outbreak was to occur. Over half globally said they were confident in their gov't's response. Do you think people have a lot of trust in those in power to do the right thing in times of an outbreak?
4. Seven of the top 10 countries where people had the most confidence in govts are in the developed world. How important are developed healthcare systems when it comes to outbreaks like the coronavirus?
5. Likewise, many countries at the bottom of this list are emerging markets. What can govts in these countries do to ease peoples' fears on how they are or will handle an outbreak like the coronavirus?

6. How difficult is it for governments and health officials to prevent the spreading of a virus like this before it becomes a pandemic? What measures can be taken?

Please free to add any additional information that you think may be relevant. I hope to hear from you soon.

Regards,
Rajeshni

Rajeshni Naidu-Ghelani | *Data Journalist*
Public Affairs

160 Bloor Street East, Suite 300
M4W 1B9 Toronto – Canada
Phone : +1 416 572 5143
Mobile : (b) (6)
rajeshni.naidu-ghelani@ipsos.com
www.ipsos.com

GAME CHANGERS

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 04:12:18 +0000
To: Routh, Jennifer (NIH/NIAID) [E]
Cc: Billet, Courtney (NIH/NIAID) [E];Stover, Kathy (NIH/NIAID) [E];Conrad, Patricia (NIH/NIAID) [E];Folkers, Greg (NIH/NIAID) [E]
Subject: RE: for review: responses for Elemental news site (not urgent)

I made some modifications. You can send it. Thanks.

From: Routh, Jennifer (NIH/NIAID) [E] <(b) (6)>
Sent: Tuesday, February 4, 2020 4:11 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
Cc: Billet, Courtney (NIH/NIAID) [E] (b) (6); Stover, Kathy (NIH/NIAID) [E] (b) (6); Conrad, Patricia (NIH/NIAID) [E] (b) (6)>; Folkers, Greg (NIH/NIAID) [E] (b) (6)
Subject: for review: responses for Elemental news site (not urgent)

Dr. Fauci –

This request is not urgent for today. The reporter Rob Britt (writes for Elemental, a health and wellness news site) reached out to you directly on Sunday with some questions about 2019-nCoV. I have drafted proposed responses for you in red below. Please let me know if you have edits. I will send responses back to the reporter attributed to you.

Thanks,
Jen

> **From:** Rob Britt (b) (6)
> **Sent:** Sunday, February 2, 2020 5:10 PM
> **To:** Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
> **Subject:** Coronavirus - reporter's questions
>
> Hi Dr. Fauci: We are updating our coronavirus story periodically, keeping it factual and level-headed, and I have seen your comments on NPR Friday and in the NY Times over the weekend, so I hope you could comment very briefly for our story:
>
> -- What's your expectation for whether this will become a pandemic?
> The novel coronavirus outbreak will likely become a pandemic. We know the virus is very transmissible. The infection continues to accelerate and there is efficient transmission in china. If sustained transmission also occurs in other countries throughout the world, the outbreak would fulfill the definitive of a pandemic
> -- Pandemic does not necessarily equate to a terrible situation, compared to, say bad flu seasons. What's your expectation on the potential severity of this coronavirus?
> It is difficult to predict the severity at this time. Even if the mortality rate of a virus remains low, if it is easily transmissible, the global impact can be significant.
> -- And your suggestion to people in the U.S. who might be very concerned?

We are treating the emergence of a novel coronavirus as a very serious public health threat. However, the risk to the general American public remains low at this time. We understand that people may be worried. We ask that people not let fear or panic guide their actions.

Thanks for any help you can provide.

Cheers,

Rob

Robert Roy Britt
Top Writer on Medium in Science & Health.
Contributor to OneZero (science) & Elemental (health).
Former editor-in-chief of Live Science and Space.com.
(b) (6)
(b) (6)

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 04:06:33 +0000
To: Cassetti, Cristina (NIH/NIAID) [E]
Subject: FW: For Dr. Anthony Fauci (NIAID/NIH) - forward of my email letter to Dr. Gregory Poland (Mayo Clinic) regarding Chinese 15 minute Coronavirus test and other concerns

Please handle.

-----Original Message-----
From: Jon M (b) (6)
Sent: Tuesday, February 4, 2020 4:55 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: For Dr. Anthony Fauci (NIAID/NIH) - forward of my email letter to Dr. Gregory Poland (Mayo Clinic) regarding Chinese 15 minute Coronavirus test and other concerns

From: Jon M < (b) (6)
To: ocpostoffice@niaid.nih.gov
Subject: Attention Meylin - Forward of my email lietter to Dr Gregory Poland (Mayo Clinic) for Dr Anthony Fauci (NIAID/NIH}
Date: Feb 4, 2020 1:45 PM

Hello Meylin,
Thank you for taking my call yesterday and forwarding the following email I sent to Dr. Gregory Poland care of his assistant, Joseph Roberts, to Dr. Fauci.
Jon Markowitz

From: Jon M (b) (6)
To: (b) (6)
Subject: JOE - We spoke on phone today... Please forward my email with reference links to Dr. Gregory Poland
Date: Feb 4, 2020 12:57 PM

Hello Joseph Roberts (Mayo Clinic),
We spoke on phone today...
Please forward my email with reference links to Dr. Gregory Poland Thank you, Jon Markowitz

---

Feb 4, 2020

Dear Dr. Gregory Poland

I saw your appearance Feb 3 on a CNBC news program:
https://www.youtube.com/watch?v=Wq33oZdQ-R4
'We're basically at a pandemic now': Mayo Clinic physician on coronavirus

Fyi, I am not a doctor, nurse or medical student nor do I work in the medical field. I am a musician. I am 65 years old and live in Los Angeles.

A news article published on rt.com Feb 31, 2020 (see link below) announced the Chinese have developed a 15 minute test for the Coronavirus, yet I've not seen or heard about this news anywhere else. I had heard there were efforts here to develp a faster test than what is being employed currently by the CDC, but believe its critical the

White House arrange for the new Chinese test to be available in the US everywhere immediately.

This news should have been mentioned by NIH doctor Anthony Fauchi at the White House Briefing on Jan 31, 2020 but was not, nor was it mentioned by Mayor Di Blasio on Feb 1 at Bellevue Hospital in NY.

At this point, the NIH, CDC and White House should have already obtained the Chinese 15 minute test for the virus and implement at all US medical centers and airports receiving travelers from the infectious regions.

Due to the exponential growth of infection rates from 'seed' individuals who are asymptomatic but don't know they are infectious, whether returning from infection zones or are infected by others already here, I am hoping you and other infectious disease experts waste no time in vigorously pursuading the White House, NIH, CDC and all other agencies as to the necessity to test ALL travelers (not just those who are symptomatic) coming into the country by air and sea with the Chinese 15 minute test as well as pull out all the stops to develop an even quicker test that's portable.

As the numbers of infections increases exponentially in the US and other countries this next 2 to 4 weeks from increasing numbers of asymptomatic 'seed' individuals unknowingly spreading the disease, we are certainly on the precipice of an unstopable runaway epidemic.

What is also desperately needed from the federal government are frank and honest recommendations regarding what is necessary to prevent becoming infected such as:
surgical or construction respirators that seal to the face, eye protection goggles, nitrile exam gloves, sanitizer wipes along with specific protocols on how not to bring the virus particles back to ones car, home and possessions.

It is imperative that manufacturing of EFFECTIVE respirator masks or equivalent non-disposable respirators be ramped up to huge scale. Without adequate numbers of these, exam gloves and eye protection this country will not be capable of containing this epidemic.

Below this article, I've pasted in a number of useful youtube links of relevant and timely information in reference.

Thank you very much for your attention to this issue.

Jon Markowitz
Los Angeles

References:

https://www.rt.com/news/479705-china-develop-coronavirus-rapid-test/
China develops rapid Coronavirus test that works in under 15 MINUTES
31 Jan, 2020 10:48

Scientists in China have reportedly developed an express test which can detect the 2019-nCoV novel coronavirus in under fifteen minutes, in a major breakthrough which will hopefully help stem the tide of infection.

Experts from a tech company based in Wuxi in eastern China's Jiangsu Province, working with the National Institute for Viral Disease Control and Prevention, developed the rapid nucleic test kit in just ten days, according to the Xinhua news agency.
The test takes between eight and 15 minutes to produce a result and is currently being mass-manufactured at a rate of 4,000 kits per day, with the city government in Wuxi exploring efforts to boost production even further.

The first batch of kits has reportedly already been deployed to the frontlines at the epicentre of the outbreak, Wuhan, in Hubei province.

https://www.youtube.com/watch?v=Wq33oZdQ-R4
'We're basically at a pandemic now': Mayo Clinic physician on coronavirus
114,173 views

•Feb 3, 2020
CNBC Television

https://www.youtube.com/watch?v=VdUi_kwuw7I
11 confirmed US coronavirus cases, experts warn of pandemic | ABC News
157,773 views
•Feb 3, 2020
ABC News

https://www.youtube.com/watch?v=8Hjy3UfaTSc
Coronavirus Epidemic Update 9: Fecal-Oral Transmission, Recovery vs Death Rate
129,190 views
•Feb 3, 2020
MedCram

https://www.youtube.com/watch?v=GpbUoLvpdCo
Coronavirus Outbreak Update 8: Travel Ban, Spread Outside of China, Quarantine, & MRSA
329,919 views
•Feb 2, 2020
MedCram

https://www.youtube.com/user/MEDCRAMvideos/videos
MedCram youtube channel
[Dr. Roger Seheult - https://www.medcram.com/]

https://www.youtube.com/watch?v=z05ZrMfKUDc
Coronavirus, Contagion and Complications
228,007 views
•Feb 2, 2020
Dr. John Campbell

https://www.youtube.com/watch?v=u7D3AoNdp84
Wuhan virus compared to MERS and SARS
45,569 views
•Feb 3, 2020
Dr. John Campbell

https://www.youtube.com/user/Campbellteaching/videos
Dr. John Campbell youtube channel

https://www.youtube.com/watch?v=_zczkLZNI94
Mayor de Blasio Holds Media Availability
334 views
Feb 1, 2020
NYC Mayor's Office

https://www.youtube.com/watch?v=oMI-9Kvoj7Q
Coronavirus: U.S. Declares Public Health Emergency, Will Quarantine China Travelers [White House Briefing]
121,648 views
•Streamed live on Jan 31, 2020
QuickTake by Bloomberg

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 04:03:41 +0000
To: Cassetti, Cristina (NIH/NIAID) [E]
Subject: FW: coronavirus
Attachments: Wuhan Coronavirus Vaccine.docx

Please handle.

From: John Howard [redacted (b) (6)]>
Sent: Tuesday, February 4, 2020 6:05 PM
To: Fauci, Anthony (NIH/NIAID) [E] [redacted (b) (6)]
Subject: coronavirus

Dear Dr, Fauchi,

I understand you are leading an effort on the Wuhan Coronavirus. I am writing to enquire how we may help in this effort. [redacted (b) (4)]

[redacted (b) (4)]

Thanks for your attention regarding this matter.

Sincerely,

John Howard, PhD
President ABI
[redacted (b) (6)]

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 03:49:07 +0000
To: Fleisher, Thomas (NIH/CC/DLM) [V]
Subject: RE: Question

No problem.

From: Fleisher, Thomas (NIH/CC/DLM) [V] (b) (6)>
Sent: Tuesday, February 4, 2020 9:37 PM
To: Fauci, Anthony (NIH/NIAID) [E] < (b) (6)>
Subject: Re: Question

Tony,
Would you be willing to have your statement "we are in the middle of influenza season..." included in the Academy's online Practice Matters email Thursday going out to all members (attributed to you) along with a link to the CDC website devoted to Coronavirus?
Thanks,
Tom

From: "Fauci, Anthony (NIH/NIAID) [E]" < (b) (6)>
Date: Tuesday, February 4, 2020 at 3:14:47 PM
To: "Fleisher, Thomas (NIH/CC/DLM) [V]" (b) (6)>
Cc: "Conrad, Patricia (NIH/NIAID) [E]" (b) (6)>
Subject: RE: Question

Tom:
Right now nothing specific to communicate except that we are still in the middle of an influenza season and the things that we do to prevent spread of flu (i.e. hand washing, social distancing from crowds) are the same things that we would do if we have transmissions of nCoV here.
Best,
Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520
Phone: (b) (6)
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E-mail: (b) (6)

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From: Fleisher, Thomas (NIH/CC/DLM) [V] (b) (6)>
Sent: Tuesday, February 4, 2020 1:31 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
Subject: Question

Tony,
I was asked if there is any message that the A&I community should receive in regards to the current Coronavirus outbreak in China and potential impact on the US. I recognize the CDC and state medical boards are releasing updates and recommendations but the question posed to me was is there anything AAAAI should communicate to our members? Thank you for considering this question.
Regards,
Tom

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 03:48:11 +0000
To: Sylvia Burwell
Subject: RE: A couple of quick questions.

Sylvia:

Masks are really for infected people to prevent them from spreading infection to people who are not infected rather than protecting uninfected people from acquiring infection. The typical mask you buy in the drug store is not really effective in keeping out virus, which is small enough to pass through the material. It might, however, provide some slight benefit in keep out gross droplets if someone coughs or sneezes on you. I do not recommend that you wear a mask, particularly since you are going to a vey low risk location. Your instincts are correct, money is best spent on medical countermeasures such as diagnostics and vaccines.

Safe travels.

Best regards,

Tony

From: Sylvia Burwell [redacted] (b) (6)>
Sent: Tuesday, February 4, 2020 10:24 PM
To: Fauci, Anthony (NIH/NIAID) [E] [redacted] (b) (6)
Subject: A couple of quick questions.

Begin forwarded message:

> **From:** Sylvia Burwell [redacted] (b) (6)
> **Date:** February 4, 2020 at 9:35:03 PM EST
> **To:** Sylvia Burwell [redacted] (b) (6)
> **Subject: Fwd: Advice re a donation**

EXTERNAL EMAIL: Use caution with links and attachments.

Begin forwarded message:

> **From:** Sylvia Burwell [redacted] (b) (6)
> **Date:** February 4, 2020 at 9:33:47 PM EST
> **To:** Tony Fauci [redacted] (b) (6)>
> **Subject: Fwd: Advice re a donation**

Tony

Two quick questions

1. I am traveling to [redacted] (b) (6) Folks are suggesting I take a mask for the airport. Is this something I should do.

2. Please see below. Do the Chinese have needs for support right now? Would money be better spent on diagnostics or vaccine work?

Thanks!

Sylvia

Begin forwarded message:

> **From:** Richard Falkenrath [redacted] (b) (6)
> **Date:** February 4, 2020 at 5:27:32 PM EST
> **To:** [redacted] (b) (6) Sylvia Mathews Burwell
> [redacted] (b) (6)
> **Subject: Advice re a donation**
>
> Hi Sylvia
>
> I hope this find you well.
>
> Quick question, a little bit from left field, but drawing on your experience at Gates and HHS. Ray Dalio and Bridgewater are interested in making a very sizable donation to help China deal with the global public health challenge arising from the new coronavirus. Any suggestions of where we should look to donate the funds?
>
> Thanks so much. [redacted] (b) (6) Looking forward to seeing you again soon.
>
> Richard
> [redacted] (b) (6)

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 00:42:06 +0000
To: Conrad, Patricia (NIH/NIAID) [E]
Subject: FW: Interview with Voice of America

Let us discuss.

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
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National Institutes of Health
Bethesda, MD 20892-2520
Phone: (b) (6)
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-----Original Message-----
From: Rattaphol Onsanit <ronsanit@voanews.com>
Sent: Tuesday, February 4, 2020 2:42 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
Subject: Interview with Voice of America

Dear Dr. Fauci,

I'm Chief of Voice of America's Thai Services. We met at the Thai Embassy on a Mahidol Award ceremony years ago.

I'm now working on a news story about how developing countries equip themselves with medical readiness and policy responsiveness in the wake of the coronavirus outbreak. I'm interested in this aspect because when I looked at Global Health Security Index, Thailand was ranked the highest in its ability to tackle epidemics ahead of Japan, Korea and Singapore. It's also by far the highest among developing countries.

I'm curious to find out about contributing factors for developing countries' readiness to effectively handle an outbreak like coronavirus. There may be some essential aspects each country can learn from one another during this outbreak and I hope that this story could shed lights on that.

If you are free in the coming days, I would like to have an interview with you, if possible, on Skype. I would really appreciate the opportunity to speak with you again.

Thank you,
Rattaphol

Rattaphol "Ahn" Onsanit
Chief of VOA Thai

Sent from my iPhone

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 00:31:31 +0000
To: Messonnier, Nancy (CDC/DDID/NCIRD/OD)
Subject: FW: WSJ In Japan, a local bus driver in his 60s tested positive after he drove tourists from Wuhan, none of whom had exhibited severe symptoms

Nancy:
See yellow highlight below. Did they misquote the CDC?
Thanks,
Tony

Anthony S. Fauci, MD
Director
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From: Folkers, Greg (NIH/NIAID) [E] (b) (6)>
Sent: Tuesday, February 4, 2020 12:12 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: WSJ In Japan, a local bus driver in his 60s tested positive after he drove tourists from Wuhan, none of whom had exhibited severe symptoms

---

From: Folkers, Greg (NIH/NIAID) [E] (b) (6)>
Sent: Monday, February 3, 2020 1:50 PM
Subject: WSJ: Experts Race to Figure Out How Contagious the Coronavirus Is

Experts Race to Figure Out How Contagious the Coronavirus Is

The outbreak of novel coronavirus appears more contagious than seasonal flu and is on par with SARS in 2002 and 2003, studies say

China says that as of Saturday there were 4,109 infected people in the city of Wuhan. Photo: china daily/Reuters

By
Chao Deng and
Jeremy Page
Updated Feb. 2, 2020 7:34 pm ET

BEIJING—Public-health experts around the world have been crunching numbers about the advance of China's dangerous new coronavirus to estimate how far and fast it could spread.

Studies published in recent days say the new virus appears to be more contagious than seasonal flu and on par with the similar pathogen behind an outbreak of severe acute respiratory syndrome in 2002 and 2003. The new virus' mortality rate, however, is far below that of SARS.

China says that as of Sunday there were 5,142 infected people in Wuhan, the locked-down city where the outbreak began. Some scientists estimate based on statistical models that the number could be in the tens of thousands.

As health authorities race to control the outbreak, they are also scrambling to figure out, based on imperfect data, how the virus is transmitted, the length of the incubation period and the degree to which people without symptoms can spread the disease.

China's health commission says incubation is generally between three and seven days, with the longest period being 14 days, and that people can spread the virus before appearing ill. That makes a two-week

quarantine an important prevention measure—and casts doubt on the efficacy of temperature checks, the main screening method at immigration and other checkpoints.

"For a given level of transmissibility, more asymptomatic transmission makes a disease harder to control," said Christl A. Donnelly, a professor at University of Oxford and Imperial College London.

The U.S. Centers for Disease Control and Prevention, which warns against nonessential travel to China, says it isn't clear how easily or sustainably the virus is spreading between people, but notes its ability to spread from infected patients without symptoms to close contacts within about 6 feet.

A study led by a researcher from Boston's Northeastern University—using mathematical probability models based on travel patterns and confirmed international cases—estimated the median number of infections in Wuhan at 31,200 as of Wednesday, compared with that day's official tally of 2,261.

Professors at the University of Hong Kong using similar methods published a study in the Lancet on Friday that estimated there were 75,815 infected in Wuhan as of Jan. 25, when official counts were still in the hundreds.

"We think only 1 in 20 people who are getting infected are actually being diagnosed" in Wuhan, said Jonathan M. Read, lead author of a study from Britain's Lancaster University that also put Wuhan numbers in the tens of thousands as of Jan. 22. "It's quite a bit more transmissible than seasonal flu."

Several recent studies published by scientists estimate that each person infected will, on average, infect two to three others. Epidemiologists call that the reproduction number.

A reproduction number over 2 suggests an epidemic will expand rapidly, while below 1 suggests the problem is dwindling. Estimates of the reproduction number differ widely, with some studies using probability models and others based on regression analysis of cases over different time periods.

Still, "they all point in the same direction," said Christian L. Althaus, an epidemiologist at the University of Bern in Switzerland who co-wrote a study estimating the basic reproduction number of the virus at 2.2. "There is a potential threat of a global pandemic if this reproduction number cannot be reduced."

In Japan, a local bus driver in his 60s tested positive after he drove tourists from Wuhan, none of whom had exhibited severe symptoms. In Germany, four employees at an auto-parts supplier contracted the virus after attending a training session with a colleague from China, according to the company. The Chinese woman didn't exhibit symptoms, but started feeling ill on her flight home, where she tested positive for the new coronavirus.

A study published in the New England Journal of Medicine study by Chinese authors including at the Chinese Center for Disease Control and Prevention says the virus spread between people as early as mid-December. The researchers analyzed 425 patients, with more than half of the cases linked to the Huanan seafood wholesale market where authorities believe the virus first spread to humans from wild animals.

The researchers started identifying and collecting cases around the start of the year, by interviewing patients, relatives and other close contacts. They estimated the reproduction number at 2.2 and said that the majority of patients weren't hospitalized until after five days of being ill.

Researchers of recent studies cautioned that even their estimates of the virus' reproduction number are based on early and incomplete data and only assess its potential to spread before travel restrictions and other control measures begin. Thereafter, the reproduction number can vary depending on those measures' effectiveness and other circumstances of the outbreak.

Chinese officials have said the outbreak could peak or even begin to subside by Feb. 8, though some overseas experts have suggested the outbreak might not peak for several weeks.

They note that the reproduction number doesn't necessarily predict an outbreak's severity, as many other factors come into play. Measles, for example, has a reproduction number of 12 to 18, but doesn't spread that fast because there is a widely used vaccine.

As yet, there are no vaccines for the new coronavirus, so Chinese authorities are relying on physical intervention measures, including locking down entire cities and forced quarantine.

Recent studies indicate that stringent control measures will be needed not just in China, but in several other countries, to curtail the outbreak.

"This is unprecedented both in terms of the virus and the control measures that have been put in place," says Adam Kucharski, associate professor at the London School of Hygiene and Tropical Medicine.

—Raffaele Huang, Miho Inada and Ruth Bender contributed to this article.

Write to Chao Deng at Chao.Deng@wsj.com and Jeremy Page at jeremy.page@wsj.com

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87990cbe856818d5eddac44c7b1cdeb8

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Wed, 5 Feb 2020 00:05:35 +0000
To: Baden, Lindsey, M.D.
Cc: Marston, Hilary (NIH/NIAID) [E];Conrad, Patricia (NIH/NIAID) [E];Lerner, Andrea (NIH/NIAID) [E] (b) (6);Morens, David (NIH/NIAID) [E]
Subject: RE: favor
Attachments: (b) (6), (b) (4)

Lindsey:

(b) (6), (b) (4)

Best regards,
Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
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From: Baden, Lindsey, M.D. <lbaden@nejm.org>
Sent: Tuesday, February 4, 2020 3:35 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Cc: Marston, Hilary (NIH/NIAID) [E] (b) (6)>; Conrad, Patricia (NIH/NIAID) [E] (b) (6)
Subject: Re: favor

Tony (and Hilary),
Much appreciated. (b) (6), (b) (4).
Thank you,
Lindsey

From: "Fauci, Anthony (NIH/NIAID) [E]" (b) (6)
Date: Tuesday, February 4, 2020 at 2:16 PM
To: "Baden, Lindsey, M.D." <lbaden@nejm.org>
Cc: "Marston, Hilary (NIH/NIAID) [E]" (b) (6)>, "Conrad, Patricia (NIH/NIAID) [E]" <(b) (6)
Subject: RE: favor

Lindsay:

(b) (6), (b) (4)

Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
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From: Baden, Lindsey, M.D. <lbaden@nejm.org>
Sent: Tuesday, February 4, 2020 12:31 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: favor

Tony,

(b) (6), (b) (4)

Thank you for considering,
Lindsey

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 22:59:29 +0000
To: Lane, Cliff (NIH/NIAID) [E]
Subject: RE: favor

Thanks. Safe travels

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520
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From: Lane, Cliff (NIH/NIAID) [E] (b) (6)>
Sent: Tuesday, February 4, 2020 4:31 PM
To: Fauci, Anthony (NIH/NIAID) [E] < (b) (6)
Cc: Marston, Hilary (NIH/NIAID) [E] (b) (6)
Subject: Re: favor

(b) (6), (b) (4).

On Feb 4, 2020, at 9:13 PM, Lane, Cliff (NIH/NIAID) [E] (b) (6)> wrote:

(b) (6), (b) (4)

On Feb 4, 2020, at 8:46 PM, Fauci, Anthony (NIH/NIAID) [E] (b) (6) wrote:

(b) (6), (b) (4)

. Thanks.

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520
Phone: (b) (6)
FAX: (301) 496-4409
E-mail (b) (6)
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From: Baden, Lindsey, M.D. <lbaden@nejm.org>
Sent: Tuesday, February 4, 2020 3:35 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Cc: Marston, Hilary (NIH/NIAID) [E] <(b) (6)>; Conrad, Patricia (NIH/NIAID) [E] (b) (6)
Subject: Re: favor

Tony (and Hilary),
Much appreciated. (b) (6), (b) (4)
Thank you,
Lindsey

From: "Fauci, Anthony (NIH/NIAID) [E]" <(b) (6)>
Date: Tuesday, February 4, 2020 at 2:16 PM
To: "Baden, Lindsey, M.D." <lbaden@nejm.org>
Cc: "Marston, Hilary (NIH/NIAID) [E]" (b) (6), "Conrad, Patricia (NIH/NIAID) [E]" (b) (6)
Subject: RE: favor

Lindsay:

(b) (6), (b) (4)

Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520
Phone: (b) (6)
FAX: (301) 496-4409
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From: Baden, Lindsey, M.D. <lbaden@nejm.org>
Sent: Tuesday, February 4, 2020 12:31 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
Subject: favor

Tony,

(b) (6), (b) (4)

Thank you for considering,
Lindsey

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(b) (6), (b) (4)

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 21:28:48 +0000
To: Seder, Robert (NIH/VRC) [E]
Subject: (b) (6)

Bob:

(b) (6) I am drowning here in coronavirus. Hope to talk to you soon.

Best,

Tony

Anthony S. Fauci, MD
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31 Center Drive, MSC 2520
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Bethesda, MD 20892-2520
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E-mail: (b) (6)

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 21:01:39 +0000
To: Conrad, Patricia (NIH/NIAID) [E]
Subject: FW: Media Request: CBC News

FYI

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
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Bethesda, MD 20892-2520
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From: Adam Miller <adam.miller@cbc.ca>
Sent: Tuesday, February 4, 2020 3:55 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: Media Request: CBC News

Hi Dr. Fauci,

I'm a senior writer with Canada's public broadcaster, CBC News, and I'm working on a national feature story about the containment efforts of the coronavirus outbreak and what future scenarios could be possible with the coronavirus globally.

You spoke with my colleague Kelly Crowe by phone recently, and I'm hoping you could spare a few minutes by phone to talk about the possibility and implications of the outbreak becoming endemic.

Would it be possible to speak briefly by phone this week? I would only need a few minutes of your time and your expertise would be very beneficial for Canadians in their understanding of this story.

Thanks very much,

Adam

--
Adam Miller

Senior Digital Writer
CBC News
Desk: 416-205-5719
Cell: (b) (6)
Twitter: @adamsmiller

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 20:46:18 +0000
To: (b) (6)
Subject: FW: favor
Attachments: (b) (6), (b) (4)

(b) (6), (b) (4)

(b) (6), (b) (4) Thanks.

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520
Phone: (b) (6)
FAX: (301) 496-4409
E-mail: (b) (6)
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From: Baden, Lindsey, M.D. <lbaden@nejm.org>
Sent: Tuesday, February 4, 2020 3:35 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Cc: Marston, Hilary (NIH/NIAID) [E] (b) (6); Conrad, Patricia (NIH/NIAID) [E] (b) (6)
Subject: Re: favor

Tony (and Hilary),
Much appreciated. (b) (6), (b) (4)
Thank you,
Lindsey

From: "Fauci, Anthony (NIH/NIAID) [E]" (b) (6)
Date: Tuesday, February 4, 2020 at 2:16 PM
To: "Baden, Lindsey, M.D." <lbaden@nejm.org>
Cc: "Marston, Hilary (NIH/NIAID) [E]" (b) (6)>, "Conrad, Patricia (NIH/NIAID) [E]" (b) (6)
Subject: RE: favor

Lindsay:

[redacted] (b) (6), (b) (4)

Tony

Anthony S. Fauci, MD
Director
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Building 31, Room 7A-03
31 Center Drive, MSC 2520
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Phone: [redacted] (b) (6)
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From: Baden, Lindsey, M.D. <lbaden@nejm.org>
Sent: Tuesday, February 4, 2020 12:31 PM
To: Fauci, Anthony (NIH/NIAID) [E] [redacted] (b) (6)
Subject: favor

Tony,

[redacted] (b) (6), (b) (4)

Thank you for considering,
Lindsey

This email message is a private communication. The information transmitted, including attachments, is intended only for the person or entity to which it is addressed and may contain confidential, privileged, and/or proprietary material. Any review, duplication, retransmission, distribution, or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is unauthorized by the sender and is prohibited. If you have received this message in error, please contact the sender immediately by return email and delete the original message from all computer systems. Thank you.
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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 19:36:10 +0000
To: Cassetti, Cristina (NIH/NIAID) [E]
Subject: FW: Delivery Status Notification (Failure)

Please take a look and handle.

Anthony S. Fauci, MD
Director
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E-mail: (b) (6)
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From: Robert Knobler (b) (6) >
Sent: Tuesday, February 4, 2020 1:36 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: Fwd: Delivery Status Notification (Failure)

---------- Forwarded message ---------
From: **Mail Delivery Subsystem** (b) (6)
Date: Tue, Feb 4, 2020 at 1:30 PM
Subject: Delivery Status Notification (Failure)
To: (b) (6)

Address not found

Your message wasn't delivered to [redacted] (b) (6) because the address couldn't be found, or is unable to receive mail.

The response from the remote server was:

```
550 #5.1.0 Address rejected.
```

---------- Forwarded message ----------
From: Robert Knobler [redacted] (b) (6)
To: [redacted] (b) (6)
Cc:
Bcc:
Date: Tue, 4 Feb 2020 13:29:23 -0500
Subject: Potential Coronavirus Prophylaxis
Dear Dr. Fauci,
You likely do not recall meeting me when I was looking at potential fellowships in 1978, however, I never forgot your enthusiasm. I went out to San Diego and worked with Mike Oldstone between 1979 and 11984. I did study a mouse coronavirus while there, mouse hepatitis virus (MHV). I focused on genetic resistance, and eventually described a mouse locus for susceptibility, which coded for the MHV receptor. On to the present problem of human coronaviruses. Vaccines will take a long time for the current crisis. The angiotensin convertin enzyme 2 receptor has been identifed as the relevant human coronavirus receptor. I am writing to suggest the investigation of ARBs as potential blocking agents to either reduce or completely block infection. Perhaps this can be checked. There may still be sufficient untainted supplies of ARBs, such as irbesartan, available, or production can be scaled up, if this truly is the eve of a pandemic. Wishing you success in this endeavor. I am willing to contribute in any way I can. Please feel free to contact me by e-mail or my cell phone.
I did do clinical trial while with Mike, and then when I joined the

neurology faculty of Jefferson in Philadelphia. I have been out on my own since December 1998, but I have never lost my interest in this work. I have some novel ideas on how HIV becomes AIDS, as well.
All the Best,
Robert L Knobler, MD, PhD
(b) (6)
(b) (6) Cell

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 15:54:25 +0000
To: (b) (6)
Subject: FW: STAT: Quick retraction of a faulty coronavirus paper was a good moment for science http://bit.ly/389QguM

Heather:

As per our recent conversation. This is your story (see below).

Best,

Tony

Anthony S. Fauci, MD
Director
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Bethesda, MD 20892-2520
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The Watchdogs

Quick retraction of a faulty coronavirus paper was a good moment for science

By Ivan Oransky *and* Adam Marcus
February 3, 2020

Hyacinth Empinado/STAT

As fears of the novel coronavirus 2019-nCoV continued to spread last Friday, an inflammatory new paper appeared on bioRxiv, a preprint server, where scientists post work that hasn't been vetted. Titled "Uncanny similarity of unique inserts in the 2019-nCoV spike protein to HIV-1 gp120 and Gag," the paper claimed to find similarities between the new coronavirus and HIV, the virus that causes AIDS. The use of the word "uncanny" in the title, together with "unlikely to be fortuitous" in the abstract, led some to think that the authors were suggesting the virus had somehow been engineered by humans.

The paper, from academic institutions in New Delhi, India, was critical and alarming, if true. Except that it wasn't.

The paper was almost immediately withdrawn, but not before plenty of handwringing from researchers who complained that the appearance of such shoddy work on a preprint server without vetting by peer reviewers is precisely why the hoary old model of science publishing is better at keeping junk science out of the literature.

Except that's not true, either. The old model has its advantages, to be sure, but it, too, is prone to the menace of pseudoscience, bad data, and other flaws — despite traditional academic journals' army of peer reviewers. And when these publications publish bad or erroneous research, it can take months or years for the papers to be corrected or retracted — if they ever are.

In contrast, the reaction from the scientific community to the bioRxiv paper was swift. In a nutshell, commenters on bioRxiv and Twitter said, the author's methods seemed rushed, and the findings were at most a coincidence. By Saturday morning, bioRxiv had placed a special warning on all papers about coronavirus. Later Saturday, the authors commented on their paper, saying they were withdrawing it. And on Sunday, a more formal retraction appeared: "This paper has been withdrawn by its authors. They intend to revise it in response to comments received from the research community on their technical approach and their interpretation of the results."

All of that happened before a single news outlet with any reach covered the paper, as best we can tell. But none of it was quite fast enough for some critics. "This is why preprints can be bad," said one scientist on Twitter. That scientist, Michael Shiloh, said he had even used bioRxiv to post preprints. "What bugs me about this preprint is that had this manuscript undergone legitimate peer review, these flaws would have led to a swift rejection and it wouldn't be contributing to the conspiracy theories and fear surrounding this outbreak," Shiloh continued.

History suggests that Shiloh's confidence in peer review's ability to suss out pseudoscience may be a bit misplaced. The fraudulent 1998 paper that set off the vaccine-autism scare was published in The Lancet, one of the world's leading peer-reviewed medical journals. Other examples — including a paper by an

intelligent design advocate questioning the validity of the second law of thermodynamics as it pertained to evolution — abound. Papers claiming a link between autism and vaccines pop up nearly every year.

Preprints can fill a void in times of rapidly changing science

And even when peer-reviewed journals do realize they've been had, retractions can take months or years. The Lancet took 12 years. Another journal took five years to retract a paper claiming that HIV did not cause AIDS. We could go on, and the list includes papers that have never even been corrected.

Those who claim preprint servers are dangerous because they lack peer review — bioRxiv has a perfunctory screening process — sometimes acknowledge that journals have had to speed up their game to meet the pressures of an outbreak like coronavirus, or SARS in the early part of this century.

Angela Cochran, president of the Society for Scholarly Publishing, a trade group for publishers, said on Twitter: "Earlier this week, folks celebrated that coronavirus papers were popping up in preprint servers. Now there is a reminder not to use them to guide clinical practice because they haven't been reviewed. Journals ARE reviewing coronavirus papers and getting [them] pub'd quickly."

Kent Anderson, another publishing industry veteran, put it more bluntly: "Journals Win The Coronavirus Race."

Publishers have been looking for ways to score points against — and shut down — preprints for at least half a century. Journals have speedily published a number of important papers on the new coronavirus already, no doubt. Publishing industry champions are often quick to say that speedy peer review does not mean sloppy peer review — even in cases that require massive corrections.

It now turns out that one of the world's leading peer-reviewed medical journals, the New England Journal of Medicine, published a letter last week about apparent coronavirus transmission from an asymptomatic person that turns out to be wrong. Such letters to the editor are not typically peer-reviewed, or at least not as rigorously as a full study. But it's a glaring example of how a peer-reviewed journal can end up getting things wrong. Now we get to wait and see how long it takes NEJM to correct the record.

We'll see whether peer-review champions, who are often unwilling — with some notable and welcome exceptions — to acknowledge how slow and ineffective correction in science can be, note this apparent failure of one of their gatekeepers. Doing so might, after all, make some people question the expensive subscription deals universities agree to with publishers, as well as the article processing charges that can run into the thousands of dollars for open access publications.

Peer review can add a valuable filter. But those who work in publishing seem to be so wedded to the existing process that they can't admit its flaws — or that it might be a good idea to also embrace preprint servers that could upend their business models. Just like in politics, maybe it's time to agree that the publishing process is a messy one, and stop using single episodes, free of context, to score points against one's rivals.

This article has been updated with information about a flawed report in the New England Journal of Medicine.

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 15:03:33 +0000
To: Mascola, John (NIH/VRC) [E];Graham, Barney (NIH/VRC) [E];Erbelding, Emily (NIH/NIAID) [E]
Cc: Conrad, Patricia (NIH/NIAID) [E];Marston, Hilary (NIH/NIAID) [E];Eisinger, Robert (NIH/NIAID) [E];Lerner, Andrea (NIH/NIAID) [E]
Subject: Universal coronavirus vaccine

(b) (5)

Anthony S. Fauci, MD
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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 14:32:42 +0000
To: Greg Folkers ([redacted (b) (6)]);Marston, Hilary (NIH/NIAID) [E];Eisinger, Robert (NIH/NIAID) [E];Lerner, Andrea (NIH/NIAID) [E]
Subject: FW: Coronavirus
Attachments: JVP200014(1).pdf, Coronavirus clean version 2-3-2020pbf-DCA.docx, JVP200011(1).pdf

FYI. Confidential for now

Anthony S. Fauci, MD
Director
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Phone: [redacted (b) (6)]
FAX: (301) 496-4409
E-mail: [redacted (b) (6)]
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From: Howard Bauchner <Howard.Bauchner@jamanetwork.org>
Sent: Tuesday, February 4, 2020 9:19 AM
To: Fauci, Anthony (NIH/NIAID) [E] [redacted (b) (6)]>
Subject: FW: Coronavirus

Tony

See attachment – accepted case series – likely to be published Friday – after we talk – but likely to mention it on Thursday - thought you should see it.

HCB

From: Howard Bauchner
Sent: Tuesday, February 04, 2020 7:23 AM
To: Annette Flanagin <Annette.Flanagin@jamanetwork.org>; Christiansen, Stacy <stacy.christiansen@jama-archives.org>; Christopher Muth <Christopher.Muth@jamanetwork.org>; Demetrios Kyriacou <Demetrios.Kyriacou@jamanetwork.org>; Edward Livingston [redacted (b) (6)]>; Fontanaros, Phil <phil.fontanarosa@jama-archives.org>; Golub, Robert <robert.golub@jama-archives.org>; Gregory Curfman

<Gregory.Curfman@jamanetwork.org>; howard.bauchner@jama-archives.org; Jody Zylke <Jody.Zylke@jamanetwork.org>; McDermott, Mary (b) (6)>; Mike Berkwits <michael.berkwits@jamanetwork.org>; (b) (6); Anne Cappola (b) (6)>; Basch, Ethan Martin (b) (6)>; David Mark <David.Mark@jamanetwork.org>; Demetrios Kyriacou <Demetrios.Kyriacou@jamanetwork.org>; Derek Angus (b) (6)>; Feero, Greg (b) (6)>; George O'Connor (b) (6) Goff, Donald (b) (6)>; Jeff Saver (b) (6) (b) (6); Joynt Maddox, Karen (b) (6) Preeti Malani (b) (6)>; Robert Golub <Robert.Golub@jamanetwork.org>; Saitz, Richard (b) (6) Schrag, Deborah,M.D. (b) (6) Tom Cole (b) (6)>; Winkelmayer, Wolfgang C. (b) (6); Armstrong, Katrina,M.D. < (b) (6) ; Cutler, David (b) (6); Eric Peterson, M.D. (b) (6)>; Goldman, Lee (b) (6)>; (b) (6) John Wong Eu Li (Div Head, Med Dept) (b) (6)>; Josh Sharfstein (b) (6)>; Julie Freischlag, M.D. (b) (6); Merchant, Raina (b) (6)>; 'Rodgers, Griffin (NIH/NIDDK) [E]' (b) (6); Steven E. Nissen (b) (6)>; Vokes, Everett [MED] (b) (6) Zeke Emanuel (b) (6)>; Andy Josephson (b) (6) (b) (6) Bonow, Robert, M.D. (b) (6) Bressler, Neil (b) (6); Dimitri A. Christakis, MD, MPH (b) (6) >; Disis, Nora < (b) (6)>; Fred Rivara, MD (b) (6); Ongur, Dost < (b) (6) ; Rita Redberg, MD (b) (6)>; Shinkai, Kanade (b) (6)

Subject: Coronavirus

So a quick update.

Attached is a VP that will go up tomorrow – information for clinicians by Carlos del Rio and Preeti. They worked on it this weekend – thanks to both.

Attached is a VP from Don and Ken Shine that came in before the epidemic/pandemic – but is definitely related. Going up this week.

Attached is the largest case-series yet – from Wuhan – old colleague of Derek's. (b) (6), (b) (4) – it will be published on Friday. A big thank you to Phil and Derek.

A RL has also been accepted – it will go up Thursday.

I cannot thank Stacy and her team (and publishing) – everyone has been working overtime to process manuscripts in record time, put up a microsite; add CME for US clinicians; etc. Mike (and his team) and Ed have been a big help.

As we have done in the past everything will be free to the world.

I am interviewing Tony Fauci again on Thursday – the last podcast, video has close to 150K views – Tony – as I have said many times – is a national treasure.

(b) (4)

All that said we are definitely interested in novel research report (many can be research letters). Just let me know.

HCB

Howard Bauchner, MD
Editor in Chief, JAMA and The JAMA Network

Email: howard.bauchner@jamanetwork.org
Telephone: 312-464-2400

Please respect the confidential nature of this email.

For my chats with authors please see: https://jamanetwork.com/journals/jama/pages/jama-author-interviews

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 14:09:40 +0000
To: Billet, Courtney (NIH/NIAID) [E];Conrad, Patricia (NIH/NIAID) [E]
Cc: Haskins, Melinda (NIH/NIAID) [E];NIAID OD AM
Subject: RE: Thanks and filming

I am leaving it up to you all to determine what is doable, feasible and/or appropriate. We can discuss at our OD AM meeting.

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Director
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From: Billet, Courtney (NIH/NIAID) [E] (b) (6)
Sent: Tuesday, February 4, 2020 8:42 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6); Conrad, Patricia (NIH/NIAID) [E] (b) (6)>
Cc: Haskins, Melinda (NIH/NIAID) [E] (b) (6)>; NIAID OD AM <NIAIDODAM@niaid.nih.gov>
Subject: RE: Thanks and filming

Just to keep in mind: (b) (4), (b) (5)
(b) (4), (b) (5)

From: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Sent: Tuesday, February 4, 2020 6:42 AM
To: Conrad, Patricia (NIH/NIAID) [E] (b) (6)>; NIAID OD AM <NIAIDODAM@niaid.nih.gov>
Cc: Haskins, Melinda (NIH/NIAID) [E] (b) (6)>
Subject: RE: Thanks and filming

OK

From: Conrad, Patricia (NIH/NIAID) [E] [redacted (b) (6)]>
Sent: Tuesday, February 4, 2020 6:35 AM
To: NIAID OD AM <NIAIDODAM@niaid.nih.gov>
Cc: Haskins, Melinda (NIH/NIAID) [E] [redacted (b) (6)]
Subject: Fwd: Thanks and filming

For discussion. [redacted (b) (4), (b) (5)]

Sent from my iPhone

Begin forwarded message:

> **From:** Janet Tobias <janet@ikanamedia.com>
> **Date:** February 4, 2020 at 6:28:24 AM EST
> **To:** "Conrad, Patricia (NIH/NIAID) [E]" [redacted (b) (6)]
> **Cc:** "Robinson, Whitney (NIH/NIAID) [C]" [redacted (b) (6)] "Barasch, Kimberly (NIH/NIAID) [C]" [redacted (b) (6)]>
> **Subject: Re: Thanks and filming**
>
> [redacted (b) (4)]
>
> Janet
>
> Sent from my iPhone
>
> > On Feb 3, 2020, at 12:27 PM, Conrad, Patricia (NIH/NIAID) [E] [redacted (b) (6)]> wrote:
> >
> > Just called you. sorry crazy morning
> >
> > Call me at [redacted (b) (6)]- they can pull me from a meeting
> >
> > Patricia L. Conrad
> > Public Health Analyst and
> > Special Assistant to the Director
> > National Institute of Allergy and Infectious Diseases

The National Institutes of Health
31 Center Drive, MSC 2520 - Room 7A03
Bethesda, Maryland 20892
(b) (6)
301-496-4409 fax

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From: Janet Tobias <janet@ikanamedia.com>
Sent: Monday, February 3, 2020 8:43 AM
To: Conrad, Patricia (NIH/NIAID) [E] (b) (6)>
Subject: Re: Thanks and filming

Patty can I call you quickly about something—will take 3 minutes.

Sent from my iPhone

> On Jan 30, 2020, at 10:02 PM, Conrad, Patricia (NIH/NIAID) [E] (b) (6)> wrote:
>
> It's been super busy. Will group with others tomorrow and get back to you.
>
> Sent from my iPhone
>
> > On Jan 30, 2020, at 7:51 PM, Janet Tobias <janet@ikanamedia.com> wrote:
> >
> > Hi Patty: Thanks for arranging the phone call. (b) (4)
> > (b) (4)

Never a dull moment in your world!

Janet

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 13:58:53 +0000
To: Sylvia Burwell
Subject: RE: Travel restriction policy

Thanks, Sylvia. I miss our late night phone calls during the Ebola and Zika crises. It was tough, but we got it right.

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520
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From: Sylvia Burwell (b) (6)
Sent: Tuesday, February 4, 2020 8:32 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6) >
Subject: RE: Travel restriction policy

Tony,

Thanks so much for sending this AND for your very valuable time on Sunday.

Our students that returned last week are in self-quarantine...

Let me know if I can be helpful to you in any way.

Best,

Sylvia

From: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Sent: Monday, February 3, 2020 7:04 PM
To: Sylvia Burwell (b) (6)
Subject: Travel restriction policy

EXTERNAL EMAIL: Use caution with links and attachments.

Sylvia:

You probably already have this information, but here is the official policy as pe our recent discussion (see link).

https://china.usembassy-china.org.cn/proclamation-on-suspension-of-entry-as-immigrants-and-nonimmigrants-bof-persons-who-pose-a-risk-of-transmitting-2019-novel-coronavirus/

Best regards,
Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520
Phone: (b) (6)
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E-mail: (b) (6)
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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 13:07:15 +0000
To: Conrad, Patricia (NIH/NIAID) [E]
Subject: FW: Phone interview request from Seoul, Korea

Let us discuss.

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
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From: The Scoop tbs eFM (b) (6)
Sent: Tuesday, February 4, 2020 6:06 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Cc: (b) (6)
Subject: Phone interview request from Seoul, Korea

Hello, Dr. Anthony Fauci.

This is Seyoung, a writer of an English radio show, The Scoop, in Seoul, South Korea.

We deliver local and international trending news to English speaking listeners around the world.

We'd like to invite you to talk with us on the phone for a special interview regarding the novel coronavirus outbreak.

If you are interested and available to talk to us through a phone call **at 10:30 am Friday or Saturday this week, OR**
sometime between 9:30 and 10:30 am next Monday, please let us know.

And if you're not available for the given time, please also **let us know other times feasible for you.**

The interview will run for about 10 minutes and you'll get your questions in advance.

If you could provide your knowledge that is essential especially at this time, it'll be highly appreciated.

I look forward to hearing from you soon.

Thank you very much.

Seyoung Lee

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 13:05:59 +0000
To: Cassetti, Cristina (NIH/NIAID) [E]
Subject: FW: 2019-nCoV: potential infection on CD4 cells.
Attachments: Insert positions in HIV gp120.pdf

Please have someone respond to this person.

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520
Phone: (b) (6)
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E-mail: (b) (6)
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From: (b) (6)
Sent: Tuesday, February 4, 2020 2:07 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: 2019-nCoV: potential infection on CD4 cells.

Dear Dr. Fauci,

As you realized the Indian researcher published a paper few days ago entitled "Uncanny similarity of unique inserts in the 2019-nCoV spike protein to HIV-1 gp120 and Gag", which was latterly withdrawn due to the controversial indication. I did a quick SWISS-MODEL online calculation. Page 1-3 of the attachment show the flexible loops of insertion "1", "2", and "3" originally from V4, V5 and V1 of HIV-1 gp120, respectively. But they are in presence on the spike protein of both bat and 2019 coronavirus (page 4 and 6). These insertions are potential CD4 binding domains (no proof yet but highly likely) and spatially won't interfere with ACE-2 binding domain (both SARS and 2019 coronavirus target ACE-2, page 5 and 6). In another word, the 2019 virus could be potentially dual-targeting, infecting the lung and potentially CD4 T cells too (like HIV, see page 6)!

It is **VERY URGENT** to have clinicians follow up the confirmed cases such as by isolating their CD4 cells and doing RT-PCR. Please reach out to them. Research labs including mine after obtaining Spike protein of 2019-nCoV shall examine its interaction with CD4.

Thank you for your immediate attention. Please keep me anonymous.

God bless us,

(b) (6)

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 12:36:50 +0000
To: Collins, Francis (NIH/OD) [E]
Subject: names for WHO working group

Francis:

Derek Kan, Acting Deputy Director of OMB and a member of the President's Coronavirus Task Force called me last night and in a very nice way said he would like to send me a list of names for consideration to be on the working groups to examine the evolution of the nCoV. He worked as an executive in biotech prior to joining the USG and knows these individuals well. They are all people that we know and so I am just passing them on to you for our consideration.

(b) (5)

Thanks,
Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
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Bethesda, MD 20892-2520
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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 11:43:36 +0000
To: Conrad, Patricia (NIH/NIAID) [E]
Subject: FW: REQUEST FOR A TV INTERVIEW ON WION TV INDIA

Let us discuss.

From: Latika Chugh (WION) <latika.chugh@zeemedia.esselgroup.com>
Sent: Tuesday, February 4, 2020 5:15 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Cc: Wion Guest Relations <wion.guestrelations@zeemedia.esselgroup.com>
Subject: REQUEST FOR A TV INTERVIEW ON WION TV INDIA

Dear Anthony S. Fauci,
M.D., NIAID Director

Greetings from WION!

World Is One News (WION)is an international English news channel from the Zee Media Group, India's premier television brand. WION is uniquely positioned as the 'Global Voice of India', presenting its own perspective on international issues of critical significance. WION is the preferred channel for most opinion makers across the world as they happily attend our shows bringing in credible viewpoints on many issues. WION is currently available in India, Indonesia, The Republic of Philippines, Australia, Vietnam, Hong Kong, UAE, Malaysia, Singapore and South Africa etc.

WION's shows have featured Indian Political scenario & global leaders speaking on issues facing their country and the world in general.

I would like to request for **your** time for an interview with us anytime soon today for **10-15 minutes**. We usually conduct Interview via **Skype**. Request you to share your Skype Id.

It's regarding CORONAVIRUS.

Please let us know when is the best time for you to join us via Skype. Waiting for your confirmation.

CLICK HERE TO WATCH WION LIVE :
https://www.wionews.com/live-tv

Live TV, News | wionews.com

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www.wionews.com

Look forward hearing from you .

Regards

Latika Chugh

WION TV , India

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 03:02:57 +0000
To: Shalimar Adorno
Cc: Conrad, Patricia (NIH/NIAID) [E];Barasch, Kimberly (NIH/NIAID) [C]
Subject: RE: Message from Dr. Jim Yong Kim

Shalimar:

Thank you for your note. I certainly will speak with Dr. Kim. My schedule is packed due to the coronavirus situation, and so please contact my Special Assistant, Patty Conrad (copied here and at (b) (6) to squeeze in a time that works for Jim and me. Thank you.

Best regards,
Tony

From: Shalimar Adorno <(b) (6)
Sent: Monday, February 3, 2020 6:33 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: Message from Dr. Jim Yong Kim

Good evening Dr. Fauci,

I am writing on behalf of Dr. Jim Yong Kim who would like to have a call with you tomorrow.

Can you please advise if you have any availability?

Kindly,

Shalimar Adorno
Assistant Vice President
Global Infrastructure Partners
1345 Avenue of the Americas, 30th Floor
New York, NY 10105
T (b) (6)
(b) (6)

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 01:14:05 +0000
To: Collins, Francis (NIH/OD) [E]
Subject: RE: Coronavirus

Thanks, Francis. (b) (5)

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
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Bethesda, MD 20892-2520
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From: Collins, Francis (NIH/OD) [E] (b) (6) >
Sent: Monday, February 3, 2020 7:26 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: FW: Coronavirus

From: Shapiro, Neil (NIH/OD) [E] (b) (6)
Sent: Monday, February 3, 2020 6:02 PM
To: Collins, Francis (NIH/OD) [E] < (b) (6) Tabak, Lawrence (NIH/OD) [E] (b) (6); Johnson, Alfred (NIH/OD) [E] (b) (6) Wolinetz, Carrie (NIH/OD) [E] (b) (6)>; Hallett, Adrienne (NIH/OD) [E] (b) (6)
Cc: Shaya, Cecile (NIH/OD) [E] (b) (6)
Subject: RE: Coronavirus

(b) (5)

From: Shapiro, Neil (NIH/OD) [E]
Sent: Monday, February 3, 2020 4:05 PM
To: Collins, Francis (NIH/OD) [E] (b) (6); Tabak, Lawrence (NIH/OD) [E] (b) (6); Johnson, Alfred (NIH/OD) [E] (b) (6); Wolinetz, Carrie (NIH/OD) [E] (b) (6); Hallett, Adrienne (NIH/OD) [E] (b) (6)
Cc: Shaya, Cecile (NIH/OD) [E] (b) (6)
Subject: RE: Coronavirus

(b) (5)

From: Collins, Francis (NIH/OD) [E] (b) (6)
Sent: Monday, February 3, 2020 1:48 PM
To: Shapiro, Neil (NIH/OD) [E] (b) (6); Tabak, Lawrence (NIH/OD) [E] (b) (6); Johnson, Alfred (NIH/OD) [E] (b) (6) Wolinetz, Carrie (NIH/OD) [E] (b) (6); Hallett, Adrienne (NIH/OD) [E] (b) (6)
Cc: Shaya, Cecile (NIH/OD) [E] (b) (6)
Subject: RE: Coronavirus

(b) (5)

FC

From: Shapiro, Neil (NIH/OD) [E] (b) (6)>
Sent: Monday, February 3, 2020 11:33 AM
To: Collins, Francis (NIH/OD) [E] (b) (6)>; Tabak, Lawrence (NIH/OD) [E] (b) (6)>; Johnson, Alfred (NIH/OD) [E] (b) (6); Wolinetz, Carrie (NIH/OD) [E] (b) (6)>; Hallett, Adrienne (NIH/OD) [E] (b) (6)
Cc: Shaya, Cecile (NIH/OD) [E] <(b) (6)>
Subject: Coronavirus
Importance: High

(b) (5)

Neil

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 01:08:37 +0000
To: Kai Kupferschmidt
Cc: Greg Folkers ([redacted (b) (6)];Billet, Courtney (NIH/NIAID) [E];Conrad, Patricia (NIH/NIAID) [E]
Subject: RE: coronavirus quick question

Kai:
Error in my statement to you. I meant to say that ".....most transmissions occur from someone who is symptomatic" – not asymptomatic. I am really tired. Not much sleep these days.
Best,
Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
Bethesda, MD 20892-2520
Phone: [redacted (b) (6)]
FAX: (301) 496-4409
E-mail: [redacted (b) (6)]
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From: Kai Kupferschmidt [redacted (b) (6)]
Sent: Monday, February 3, 2020 7:37 PM
To: Fauci, Anthony (NIH/NIAID) [E] [redacted (b) (6)]>
Cc: Folkers, Greg (NIH/NIAID) [E] [redacted (b) (6)]; Billet, Courtney (NIH/NIAID) [E] <billetc@niaid.nih.gov>
Subject: Re: coronavirus quick question

Thanks Tony,

this is interesting and I'm sorry I didn't have more time to get a comment from you. I can only imagine your workload at the moment. I will include comment from you now.

Best
Kai

On 4. Feb 2020, at 01:29, Fauci, Anthony (NIH/NIAID) [E] [redacted] (b) (6)> wrote:

Sorry that I got to this so late. I have been swamped. I just read your story in Science. It is unfortunate that they did not interview the patient. Obviously, this changes the conclusion of the paper. My comment: "There's no doubt after reading [the *NEJM*] paper that asymptomatic transmission is occurring" was made because there has been a lot of discussion among Chinese investigators that asymptomatic infection is occurring in Wuhan City and Hubei Province, yet no publication came out and said this. Since this was the first publication supposedly documenting this phenomenon, that is why I referred to the paper and made my comment. It is unfortunate that this error was published, but it still does not really change anything. Rather than rely on rumors, this evening I telephoned one of my colleagues in China who is a highly respected infectious diseases scientist and health official. He said that he is convinced that there is asymptomatic infection and that some asymptomatic people are transmitting infection. The NEJM paper may be incorrect, but according to reputable Chinese scientists, my statement is correct. Having said that, I have been saying for some time that even if asymptomatic infection occurs, it is very unlikely to be a major driver of the outbreak since most transmissions occur from someone who is asymptomatic.

Best regards,

Tony

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 00:37:32 +0000
To: Conrad, Patricia (NIH/NIAID) [E]
Subject: RE: Tony and Conronavirus

Set up a call for me with Ed Henry

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
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-----Original Message-----
From: Conrad, Patricia (NIH/NIAID) [E] (b) (6)
Sent: Monday, February 3, 2020 12:28 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>; Folkers, Greg (NIH/NIAID) [E] (b) (6)
Subject: FW: Tony and Conronavirus

Firm for Feb 11

ASF will you cancel DDCF or do I need to? Please advise

Patricia L. Conrad
Public Health Analyst and
Special Assistant to the Director
National Institute of Allergy and Infectious Diseases The National Institutes of Health
31 Center Drive, MSC 2520 - Room 7A03
Bethesda, Maryland 20892
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-----Original Message-----
From: Katz, Ruth <Ruth.Katz@aspeninstitute.org>
Sent: Monday, February 3, 2020 12:20 PM

To: Conrad, Patricia (NIH/NIAID) [E] (b) (6)
Cc: Katz, Ruth <Ruth.Katz@aspeninstitute.org>
Subject: RE: Tony and Conronavirus

We have a room on the 11th. Ron is available and holding the date. Think time would work for you guys. Time would be over lunch. Attendees arrive around 11:30 to grab lunch. Program starts at noon and runs to about 1-1:15. Of course, Tony is more than welcome to come in time for lunch. But he need not actually arrive until shortly before noon so we can mike him up.

I might also try to get someone from CDC to round out the discussion. But if only Tony and Ron, we will run with it. Also need to line up the moderator. But that shouldn't be a problem. Would run options by you first.

Our comms team is really interested in pushing this --

Ruth

RUTH J. KATZ
Vice President, Aspen Institute
Executive Director, Health, Medicine and Society Program The Aspen Institute

ruth.katz@aspeninstitute.org
202-736-5827

-----Original Message-----
From: Conrad, Patricia (NIH/NIAID) [E] (b) (6)>
Sent: Monday, February 3, 2020 11:57 AM
To: Katz, Ruth <Ruth.Katz@aspeninstitute.org>
Subject: RE: Tony and Conronavirus

If you have a room and Mr. Klain is available on Feb 11 - please let me know. Best between 11 am - 3 or 4 pm

Let me know

Patricia L. Conrad
Public Health Analyst and
Special Assistant to the Director
National Institute of Allergy and Infectious Diseases The National Institutes of Health
31 Center Drive, MSC 2520 - Room 7A03
Bethesda, Maryland 20892
(b) (6)
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-----Original Message-----
From: Katz, Ruth <Ruth.Katz@aspeninstitute.org>
Sent: Monday, February 3, 2020 11:43 AM
To: Conrad, Patricia (NIH/NIAID) [E] <(b) (6)>
Cc: Katz, Ruth <Ruth.Katz@aspeninstitute.org>

Subject: RE: Tony and Conronavirus

Hi Patty,

Thanks so much and understand completely. Can only imagine how crazed you all must be.

Definitely don't want to do this without Tony. If next week doesn't work, please send some potential options. Getting a room can be the real challenge here. So I'd like to at least reserve space and cancel if need be. Also trying to coordinate with Ron Klain who is very eager to participate.

Let me know if I should definitely cancel our space for February 11 or continue to hold for now.

Thanks again for everything!

Ruth

RUTH J. KATZ
Vice President, Aspen Institute
Executive Director, Health, Medicine and Society Program The Aspen Institute

ruth.katz@aspeninstitute.org
202-736-5827

-----Original Message-----
From: Conrad, Patricia (NIH/NIAID) [E] (b) (6)
Sent: Monday, February 3, 2020 11:36 AM
To: Katz, Ruth <Ruth.Katz@aspeninstitute.org>
Subject: RE: Tony and Conronavirus

Hi Ruth - circling back - hope we can make this work - will get back to you in a day or two....

Patricia L. Conrad
Public Health Analyst and
Special Assistant to the Director
National Institute of Allergy and Infectious Diseases The National Institutes of Health
31 Center Drive, MSC 2520 - Room 7A03
Bethesda, Maryland 20892
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-----Original Message-----
From: Conrad, Patricia (NIH/NIAID) [E]
Sent: Monday, February 3, 2020 8:40 AM
To: Katz, Ruth <Ruth.Katz@aspeninstitute.org>
Subject: RE: Tony and Conronavirus

Hi - sorry for the delay - its been insanely busy.

He would love to do this but our schedule has been changing literally by the minute - so much so that we have had to cancel meetings, events and 2 trips he had scheduled for out of town last week. So - while he would love to do this and would make himself available...it might be better to do later when things hopefully quiet down a bit.

Defer to you tho as to when you want to do your event. Happy to chat more ....

Patricia L. Conrad
Public Health Analyst and
Special Assistant to the Director
National Institute of Allergy and Infectious Diseases The National Institutes of Health
31 Center Drive, MSC 2520 - Room 7A03
Bethesda, Maryland 20892
(b) (6)
301-496-4409 fax

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-----Original Message-----
From: Katz, Ruth <Ruth.Katz@aspeninstitute.org>
Sent: Friday, January 31, 2020 5:33 PM
To: Conrad, Patricia (NIH/NIAID) [E] (b) (6)
Cc: Katz, Ruth <Ruth.Katz@aspeninstitute.org>
Subject: Re: Tony and Conronavirus

Hi Patty,

Sorry to bother you. Just checking in to see if you have any update. We continue to hold the date and room.

Thanks so much. Hope all is well —

Ruth

Sent from my iPhone

On Jan 27, 2020, at 2:45 PM, Conrad, Patricia (NIH/NIAID) [E]
(b) (6)>> wrote:

Hi ruth – will get back to you as soon as we can

Patricia L. Conrad
Public Health Analyst and
Special Assistant to the Director
National Institute of Allergy and Infectious Diseases The National Institutes of Health
31 Center Drive, MSC 2520 - Room 7A03
Bethesda, Maryland 20892
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From: Katz, Ruth <Ruth.Katz@aspeninstitute.org<mailto:Ruth.Katz@aspeninstitute.org>>
Sent: Monday, January 27, 2020 4:25 PM
To: Conrad, Patricia (NIH/NIAID) [E] (b) (6)
Cc: Katz, Ruth <Ruth.Katz@aspeninstitute.org<mailto:Ruth.Katz@aspeninstitute.org>>
Subject: Tony and Conronavirus

Hi Patty,

Hope all is well and that your 2020 is off to a good, if no doubt, busy start.

Contacting you directly because you have always been my best "go to" person when it comes to Tony and activities at the Institute. Hope you can be of help again.

I would like to do a Public Health Grand Rounds session on the coronavirus here at our Aspen DC offices – hopefully on February 11 (from 12 until about 1:15pm; lunch is made available to attendees). Ron Klain, former Obama Ebola czar -- is available – and hope Tony might be as well. Tony and Ron are my first two choices. Perhaps we might add someone from CDC. I suspect we could get some good press, especially if Tony is in the lineup.

Know how terribly busy Tony is, but hope this might be a possibility. Any chance?

As always, many thanks –

All best,
Ruth

RUTH J. KATZ
Vice President, Aspen Institute
Executive Director, Health, Medicine and Society Program The Aspen Institute

ruth.katz@aspeninstitute.org<mailto:ruth.katz@aspeninstitute.org>
202-736-5827

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Tue, 4 Feb 2020 00:29:06 +0000
To: Kai Kupferschmidt
Cc: Greg Folkers (b) (6); Billet, Courtney (NIH/NIAID) [E]
Subject: RE: coronavirus quick question

Kai:

Sorry that I got to this so late. I have been swamped. I just read your story in Science. It is unfortunate that they did not interview the patient. Obviously, this changes the conclusion of the paper. My comment: "There's no doubt after reading [the *NEJM*] paper that asymptomatic transmission is occurring" was made because there has been a lot of discussion among Chinese investigators that asymptomatic infection is occurring in Wuhan City and Hubei Province, yet no publication came out and said this. Since this was the first publication supposedly documenting this phenomenon, that is why I referred to the paper and made my comment. It is unfortunate that this error was published, but it still does not really change anything. Rather than rely on rumors, this evening I telephoned one of my colleagues in China who is a highly respected infectious diseases scientist and health official. He said that he is convinced that there is asymptomatic infection and that some asymptomatic people are transmitting infection. The NEJM paper may be incorrect, but according to reputable Chinese scientists, my statement is correct. Having said that, I have been saying for some time that even if asymptomatic infection occurs, it is very unlikely to be a major driver of the outbreak since most transmissions occur from someone who is asymptomatic.

Best regards,

Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
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From: Kai Kupferschmidt (b) (6)
Sent: Monday, February 3, 2020 11:47 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
Subject: coronavirus quick question

Tony,

do you have 5 minutes for a quick phone call? Writing a story about the German paper claiming an asymptomatic case. Turns out the woman did have symptoms. You gave the paper a lot importance, so really wanted to get your reaction on this.

Cheers
Kai

Kai Kupferschmidt
contributing correspondent "Science"
(b) (6)
(b) (6)

twitter: @kakape

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 22:28:34 +0000
To: Billet, Courtney (NIH/NIAID) [E]
Subject: FW: Coronavirus - reporter's questions

NIAID inquiries, please.

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
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From: Rob Britt (b) (6)
Sent: Sunday, February 2, 2020 5:10 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
Subject: Coronavirus - reporter's questions

Hi Dr. Fauci: We are updating our coronavirus story periodically, keeping it factual and level-headed, and I have seen your comments on NPR Friday and in the NY Times over the weekend, so I hope you could comment very briefly for our story:

-- What's your expectation for whether this will become a pandemic?

-- Pandemic does not necessarily equate to a terrible situation, compared to, say bad flu seasons. What's your expectation on the potential severity of this coronavirus?

-- And your suggestion to people in the U.S. who might be very concerned?

Thanks for any help you can provide.
Cheers,
Rob

Robert Roy Britt
Top Writer on Medium in Science & Health.
Contributor to OneZero (science) & Elemental (health).
Former editor-in-chief of Live Science and Space.com.

(b) (6)

(b) (6)

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 22:27:31 +0000
To: Seth Lederman
Cc: Erbelding, Emily (NIH/NIAID) [E];Cassetti, Cristina (NIH/NIAID) [E]
Subject: RE: New NHP data on our vaccine for smallpox & monkeypox

Seth:

I am swamped with coronavirus stuff, and so I am forwarding this to Emily Erbelding to take a look and respond. Thanks.

Best regards,

Tony

Anthony S. Fauci, MD
Director
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From: Seth Lederman (b) (6) >
Sent: Friday, January 31, 2020 11:05 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: New NHP data on our vaccine for smallpox & monkeypox

Dear Tony,

I enjoyed your corona virus presentation at ASM Biothreats, and understand why you couldn't linger.

I'm writing with an update on our horsepox-based vaccine program. On Wednesday, we presented a poster on our further work with TNX-801 (horsepox) as a potential vaccine for smallpox and monkeypox. We found that vaccination of cynos with TNX-801 resulted in sterilizing immunity (no lesions) in 8/8 animals compared to a synthesized ACAM-like vaccinia which resulted in protection, but lesions on 2/3 animals. More complete information is on the poster attached, which is available on our website at (https://content.equisolve.net/tonixpharma/media/10929ac27f4fb5f5204f5cf41d59a121.pdf). The press release is also attached and available on our website at (https://ir.tonixpharma.com/press-releases/detail/1186).

(b) (4)

(b) (4)

We'd welcome the opportunity to discuss the data with you and your team.

Best, Seth

Seth Lederman, MD | Chief Executive Officer
Tonix Pharmaceuticals Holding Corp. | **NASDAQ: TNXP**
509 Madison Avenue - Suite 1608, New York, NY 10022
Tel (b) (6) | Fax 212 923 5700
(b) (6) | www.TonixPharma.com

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 22:21:41 +0000
To: Steinberg, Danielle
Cc: Conrad, Patricia (NIH/NIAID) [E];Billet, Courtney (NIH/NIAID) [E]
Subject: RE: PBS Nature inquiry about Coronavirus

Danielle:

Many coronaviruses exist in animal reservoirs, particularly in bats. Remember that for the SARS outbreak in 2002, bats infected palm civet cats who were sold in live/wet markets and the civet cats spread the virus to human. Same for MERS – bats to camels to humans. You ask that there have been animal markets for a long time, and so why now. The fact is that this is likely pure chance +/- more interactions in the human-animal interface. Animal viruses mutate and most of the time the mutations have no significant impact on virus transmission to humans. Sometimes they mutate and allow single "dead end" transmissions to individual humans with no efficiency in going human to human and so we get individual infections and no outbreak as we have seen with H5N1 and H7N9 influenzas that jump from chickens to humans but do not go from human to human. And then rarely, animal viruses mutate and the mutation allows them not only to jump species to humans, but to also efficiently spread from human to human. That is what we saw in SARS and now we see this with 2019-nCoV, which seems to have adapted itself very well to human to human transmission, as per what is happening in China.

I hope that this is helpful.

Best regards,

Tony

Anthony S. Fauci, MD
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From: Steinberg, Danielle <SteinbergD@thirteen.org>
Sent: Friday, January 31, 2020 2:20 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6) >
Subject: PBS Nature inquiry about Coronavirus

Hi Dr. Fauci,

Hari Sreenivasan of PBS NewsHour suggested I reach out to you with a specific nature question that we're writing about. I hope you'll be able to give us some insights – I'm sure you're extremely busy!

We're wondering about the impact of animals on the virus and specifically, why now? Presumably, China has been using animal markets/wildlife trade in these exact ways for a while, so what changed or is different now to cause this illness and outbreak? Any other information you can provide on how animals are involved would be greatly appreciated.

Thank you!

Best,
Danielle Steinberg

Danielle Steinberg | Digital Lead, NATURE | +1 (212) 560-3049 (office)
WNET | 825 Eighth Avenue 14th Fl. | New York, NY 10019-7435
pbs.org/nature | Facebook | Twitter | Instagram | YouTube

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 16:43:08 +0000
To: Conrad, Patricia (NIH/NIAID) [E]
Cc: Barasch, Kimberly (NIH/NIAID) [C]
Subject: FW: Bloomberg Radio 2/4

This is Bloomberg and so if we can do this, let us try. If it is too much of a hassle then say sorry no. Thanks.

Anthony S. Fauci, MD
Director
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From: Jameelah D Robinson (BLOOMBERG/ NEWSROOM:) <jrobinson158@bloomberg.net>
Sent: Monday, February 3, 2020 11:23 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: Bloomberg Radio 2/4

Hi Dr. Fauci!

I Hope this email finds you well. I'm emailing to see if you can join Tom Keene, Bloomberg Suveillance Anchor/Editor-at-Large on his radio show tomorrow morning as a PHONER at 8:00am or 8:15am Et to discuss the Coronavirus. Please let me know if we can make this happen. Many thanks!

-Jameelah

Jameelah Robinson, M.S.
Bloomberg Surveillance
Television & Radio

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app and the Bloomberg Professional Service.
http://Bloomberg.com/tv/

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 15:17:23 +0000
To: Walensky, Loren D.,M.D.,Ph.D.;Glimcher, Laurie,M.D.;Auchincloss, Hugh (NIH/NIAID) [E]
Subject: RE: Wuhan nCoV Inhibitors

Loren:
Thanks for the note. (b) (6)
Best regards,
Tony

Anthony S. Fauci, MD
Director
National Institute of Allergy and Infectious Diseases
Building 31, Room 7A-03
31 Center Drive, MSC 2520
National Institutes of Health
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From: Walensky, Loren D.,M.D.,Ph.D. (b) (6)
Sent: Sunday, February 2, 2020 11:28 PM
To: Glimcher, Laurie,M.D. (b) (6)>; Fauci, Anthony (NIH/NIAID) [E] (b) (6); Auchincloss, Hugh (NIH/NIAID) [E] (b) (6)
Subject: RE: Wuhan nCoV Inhibitors

(b) (4)

(b) (4)

PS: Dr. Fauci, (b) (6)

Thank you again for any guidance you can provide so that we can try to be of help.

Best,
Loren

Loren D. Walensky, M.D., Ph.D.
Professor of Pediatrics
Principal Investigator, Linde Program in Cancer Chemical Biology
Attending Physician in Pediatric Oncology
Director, Harvard/MIT MD-PhD Program
Dana-Farber Cancer Institute / Harvard Medical School
450 Brookline Avenue, LC3216
Boston, MA 02215
Office: (b) (6)
Fax: 617-582-8240
Email: (b) (6)
Twitter: (b) (6)

From: Glimcher, Laurie,M.D. (b) (6)
Sent: Sunday, February 2, 2020 9:33 PM
To: Anthony (NIH/NIAID) Fauci (b) (6) Hugh Jr Auchincloss (b) (6)
Cc: Walensky, Loren D.,M.D.,Ph.D. (b) (6)
Subject: Fwd: Wuhan nCoV Inhibitors

Tony and Hugh,
Loren Walensky is a superb physician-scientist at Dana-Farber (b) (4)

If this is of interest to you, please let me know or contact him directly.
Many thanks,
Laurie

Laurie H. Glimcher, M.D.
President and CEO

Dana-Farber Cancer Institute
Richard and Susan Smith
Professor of Medicine
Harvard Medical School

450 Brookline Avenue, Dana 1628
Boston, MA 02215
(b) (6) tel.
617.632.2161 fax
(b) (6)

Begin forwarded message:

From: "Walensky, Loren D.,M.D.,Ph.D." <(b) (6)>
Subject: Wuhan nCoV Inhibitors
Date: January 30, 2020 at 7:23:54 PM EST
To: "Glimcher, Laurie,M.D." (b) (6)>

Hi Laurie. I hope all is well on your end. (b) (4)

(b) (4)

(b) (4)

Thanks so much,
Loren

Loren D. Walensky, M.D., Ph.D.
Professor of Pediatrics
Principal Investigator, Linde Program in Cancer Chemical Biology
Attending Physician in Pediatric Oncology
Director, Harvard/MIT MD-PhD Program
Dana-Farber Cancer Institute / Harvard Medical School
450 Brookline Avenue, LC3216
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Email: (b) (6)

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 15:12:39 +0000
To: Routh, Jennifer (NIH/NIAID) [E]
Cc: Conrad, Patricia (NIH/NIAID) [E]
Subject: FW: ANSA news agency

Please get someone to provide answers for me to send to this person. I do not have time to do it myself,

Anthony S. Fauci, MD
Director
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From: Battifoglia Enrica <Enrica.Battifoglia@ansa.it>
Sent: Monday, February 3, 2020 5:37 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: ANSA news agency

Dear Professor Fauci,

I am Enrica Battifoglia of the Italian news agency ANSA, I already have had the pleasure to interview you several times at the AIDS world conferences.

I would like to ask you some questions about Coronoravirus 2019-nCoV, to be published on the ANSA Science web page (www.ansa.it/scienza), the main online science news resource in Italy with over 1.5M contacts each month. I am sure that your clarity and competence will be highly valuable to put some much-needed order among so many contrasting news and data, and would be much appreciated by our readers.

1) Do the current available data allow to understand the threat level of coronarivus 2019-nCoV in terms of both lethality and diffusion speed, and about the possible evolution scenarios of the disease?

2) What exactly we know about its modes of transmission, especially from people who do not yet have the symptoms?

3) Are the genetic sequences provided by China enough to start working on a vaccine?

What are the technical times to develop a working vaccine in terms of scientific research, and what are the approx times for the necessary legal certifications, and for industrial production and distribution?

4) 2019-nCov is the third Coronavirus aggressive for humans that has appeared in the East in the last 20 years and in 2009 the virus responsible for the flu pandemic too did come from China: what sort of preventive measures could be practicable to reduce the risk of repetition of these events?

Thank you so much for your time your attention!

Kindest Regards

Enrica Battifoglia
Science and Technology Head Editor

ANSA News Agency

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 15:10:32 +0000
To: Joe Palca
Subject: RE: Coronavirus vaccine

Joe:

Thanks for the note. The has nothing to do with the validity of the test. We see this with other viruses when you look at shedding. When there is a low titer of virus, any specific site (in this case a nose or throat swab) may vary between positive and negative even though the person is clearly still infected. It could be that the virus is there in the throat at one point and cleared at another and comes back again. Alternatively, it may be that the virus is always there, but at different titers and at some points it is present below the sensitivity of the test, even though the test is in general quite sensitive.

Hope that this is helpful.

Best regards,

Tony

Anthony S. Fauci, MD
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From: Joe Palca <JPalca@npr.org>
Sent: Monday, February 3, 2020 9:30 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
Subject: FW: Coronavirus vaccine

From: Joe Palca
Sent: Monday, February 3, 2020 9:13 AM

To: 'anthony.facui@nih.gov' (b) (6)>
Cc: 'Deatrick, Elizabeth (NIH/NIAID) [C]' (b) (6)>; Scott Hensley (b) (6)
Subject: RE: Coronavirus vaccine

Hi Tony,

It's been nice hearing you on the various press conferences...can't believe we're still both doing this.

Have a question about something Redfield said in Friday in the White House briefing about nCoV. He said using their PCR assay, the virus can be detectable one day, then not the next, then detectable.

I'm curious about this. I see a few possibilities:

1. The test isn't as sensitive as CDC hopes
2. The sample was taken from different places
3. With low viral titer, it may seem like the virus "disappears" from one day to the next.
4. The virus may be hanging out in the terminal bronchioles, and only pop up to the upper respiratory system from time to time.

Am I on the right track? Would you have a few minutes today to record an interview with me?

Joe

From: (b) (6)
Sent: Mon, 3 Feb 2020 05:45:35 -0500
To: Conrad, Patricia (NIH/NIAID) [E]
Subject: Fwd: Interview request (Seoul, Korea)

Sent from my iPhone

Begin forwarded message:

From: 차현나 (b) (6)>
Date: February 3, 2020 at 2:29:21 AM EST
To: "Fauci, Anthony (NIH/NIAID) [E]" (b) (6)>
Subject: Interview request (Seoul, Korea)

Dear Dr. Fauci,

I am Mrs. Hyun-Na Cha of TBS, metropolitan radio station of Seoul, South Korea.
I am the director of currunt-issue radio show of TBS and I'd like to have a telephone interview with you on my radio program about coronavirus issue all over the world.
As Korea is a very close county to China and many people are very concerned about this issue.
I would like to hear your opinion as a world authority on this issue.
The time for phone interview would be about 6 a.m. at Maryland time and I want to proceed it through an English-Korean interpreter.
I would appreciate it if you could reply to me if you are possible.
The host of my program is a political expert who is a Ph.D. from MIT, Dr.Kim.

Respectfully,
Mrs. Hyun-na Cha
(b) (6)
TBS, Seoul, Korea

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 03:47:33 +0000
To: Howard Schatz
Subject: RE: If too busy then pass---I'd understand

Too soon to predict. It probably will evolve into a widespread infection (pandemic) with lower mortality than we are now seeing (2%). More similar to 2009 H1N1 flu than SARS even though the virus (coronavirus) is in the same family of viruses as SARS.

-----Original Message-----
From: Howard Schatz <(b) (6)
Sent: Friday, January 31, 2020 8:51 AM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)
Subject: If too busy then pass---I'd understand

Tony,

New Coronavirus: saw you on national news with a dozen others at DT's table yesterday.

Seems like this new one though serious and very contagious is not as lethal (40:1 ?) as SARS, others.

What is your current thinking on it?

Hope all is well, otherwise.

Thanks,

howard

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 03:45:59 +0000
To: Auchincloss, Hugh (NIH/NIAID) [E]
Subject: FW: Wuhan nCoV Inhibitors
Attachments: (b) (4)

Please handle this. Thanks.

From: Glimcher, Laurie,M.D. (b) (6)>
Sent: Sunday, February 2, 2020 9:33 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>; Auchincloss, Hugh (NIH/NIAID) [E] (b) (6)
Cc: Walensky, Loren D.,M.D.,Ph.D. (b) (6)
Subject: Fwd: Wuhan nCoV Inhibitors

Tony and Hugh,
Loren Walensky is a superb physician-scientist at Dana-Farber (b) (4)
If this is of interest to you, please let me know or contact him directly.
Many thanks,
Laurie

Laurie H. Glimcher, M.D.
President and CEO
Dana-Farber Cancer Institute
Richard and Susan Smith
Professor of Medicine
Harvard Medical School

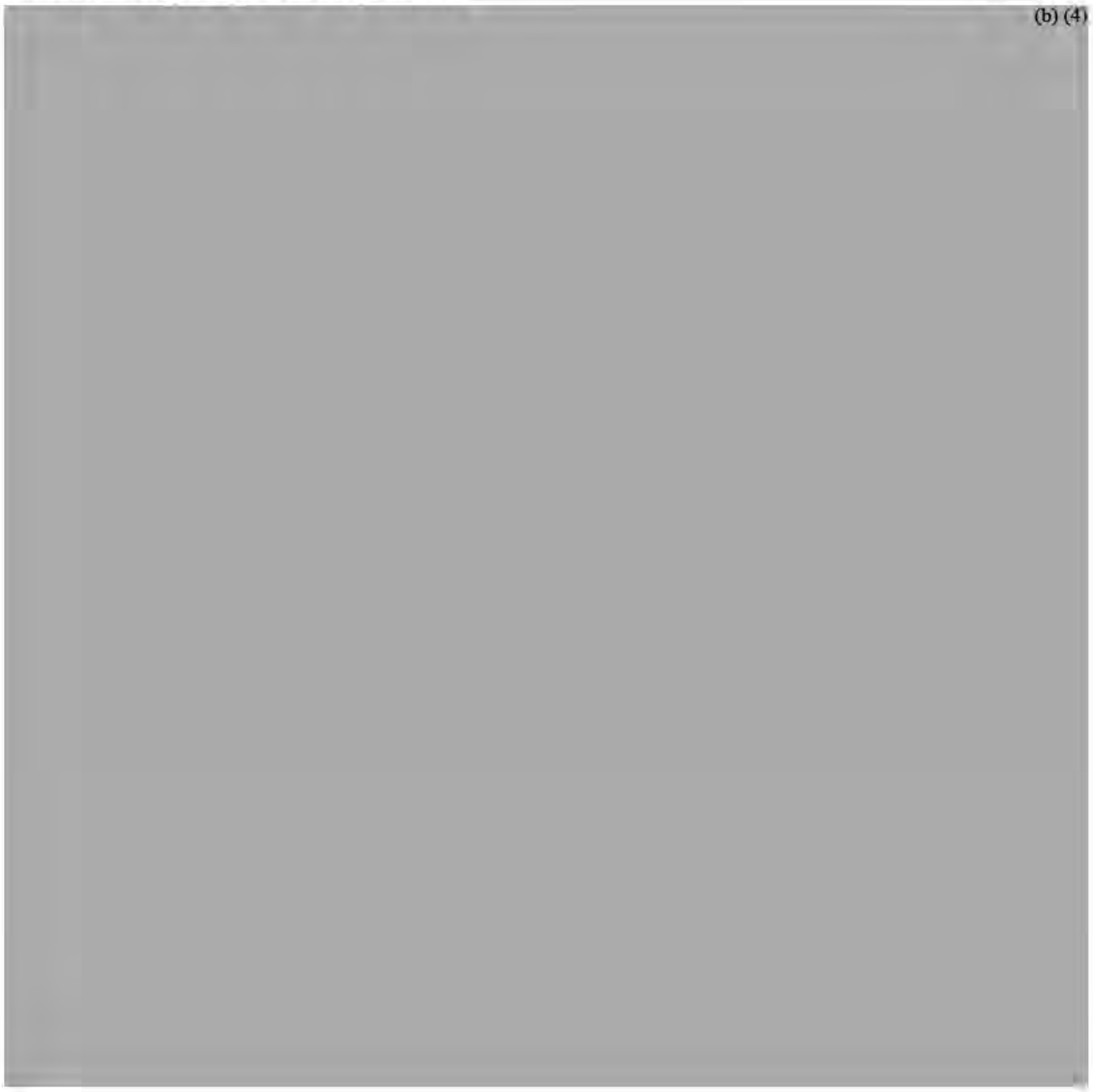
450 Brookline Avenue, Dana 1628
Boston, MA 02215
(b) (6) tel.
617.632.2161 fax
(b) (6)

Begin forwarded message:

From: "Walensky, Loren D.,M.D.,Ph.D." (b) (6)>
Subject: Wuhan nCoV Inhibitors
Date: January 30, 2020 at 7:23:54 PM EST
To: "Glimcher, Laurie,M.D." (b) (6)

Hi Laurie. I hope all is well on your end. (b) (4)

(b) (4)



Thanks so much,
Loren

Loren D. Walensky, M.D., Ph.D.
Professor of Pediatrics
Principal Investigator, Linde Program in Cancer Chemical Biology
Attending Physician in Pediatric Oncology
Director, Harvard/MIT MD-PhD Program
Dana-Farber Cancer Institute / Harvard Medical School
450 Brookline Avenue, LC3216
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Office: (b) (6)
Fax: 617-582-8240
Email (b) (6)

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 02:10:49 +0000
To: Cassetti, Cristina (NIH/NIAID) [E]
Subject: FW: Homozygous for Alpha-1 antitrypsin and coronavirus?

Please handle.

From: Ulrica Mölstad [redacted] (b) (6) >
Sent: Sunday, February 2, 2020 9:07 PM
To: Fauci, Anthony (NIH/NIAID) [E] [redacted] (b) (6) >
Cc: Ulrica Mölstad [redacted] (b) (6) >
Subject: Homozygous for Alpha-1 antitrypsin and coronavirus?

Hi!

I read that you are an expert working for NIAID and that you got interviewed about treatments for the coronavirus.

I am a Swedish physician specialized in clinical chemistry. [redacted] (b) (6) and wanted to share a hypothesis I have. I believe that some patients who are seriously ill in corona virus (or flue/SARS) with lung symptoms have a lack of normal/well functioning Alpha-1-antitrypsin for example PiZZ. Alpha-1 antitrypsin is an acute phase reactant and increases in sick people. I have seen that the Alpha-1-antitrypsin level can be elevated in a severely ill person (H1N1) if measured in a laboratory, even thought the patient was homozygous for mutations in the Alpha-1-antitrypsin gene. An elevated level of Alpha-1 antitrypsin is misleading and can result in the physician believing that there is nothing wrong with the patients function of Alpha-1-antitrypsin.

[redacted] (b) (4)

I also guess that critically ill ECMO-treated patients with lung symptoms might benefit from receiving Alpha-1 antiprotease inhibitor in addition to other medications given to them. What do you think?

I believe that this information can contribute in understanding why some supposedly healthy individuals gets really sick and even die in corona virus, flue/H1N1 or SARS. [redacted] (b) (4)

I would appreciate if you replied shortly to me so that I know that my e-mail has been read.

Best regards, Ulrica Molstad, M.D.

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Mon, 3 Feb 2020 00:50:43 +0000
To: James Krellenstein
Subject: RE: 2019-nCoV Testing for Public Health Labs

James:
Thanks for the heads-up. I will see what I can do.
Best,
Tony

From: James Krellenstein (b) (6)
Sent: Sunday, February 2, 2020 7:37 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6) >
Cc: David Barr (b) (6) >; Lord, Aaron (b) (6) Peter Staley (b) (6)
Subject: 2019-nCoV Testing for Public Health Labs

Tony:

I hope this email finds you well. Over the past 48 hours, PrEP4All has received multiple requests from leaders of public health departments and public health practitioners to begin publicly pressuring CDC/HHS to ensure that properly equipped public health labs (besides CDC's lab in Atlanta) can perform real time reverse transcription PCR (qRT-PCR) testing for 2019 Novel-Coronavirus (2019-nCoV).

Our understanding is that given the public health emergency declared by HHS, an emergency use authorization (EUA) from the FDA is required for public health labs to perform their own lab developed test for 2019-nCoV, even if it is using the CDC's published qRT-PCR protocol and primer/probe sequences (https://www.cdc.gov/coronavirus/2019-ncov/downloads/rt-pcr-panel-for-detection-instructions.pdf) , and the lab is capable of handling BSL3+ samples.

We understand the extreme delicateness of this situation, and also that it is outside of our normal wheelhouse. But given the concerns of our colleagues in the public health sector, we thought it was important to give you a heads up regarding this request.

Let us know if there is anyway we can help.

Sincerely,

James Krellenstein
Data, Science and Policy Committee
The PrEP4All Collaboration
109 S 5th St, Brooklyn, NY 11249
(b) (6)
--

James B. Krellenstein
he - him - his
(b) (6)
(Sent from a mobile device)

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Sun, 2 Feb 2020 23:54:27 +0000
To: NIAID OD AM
Subject: FW: Invitation for an expert panel webinar on the role of micronutrients and coronavirus
Attachments: 2020.02.02 Expert panel objectives.docx

Let us discuss. Probably no.

From: [redacted] (b) (6)>
Sent: Sunday, February 2, 2020 9:49 AM
To: Fauci, Anthony (NIH/NIAID) [E] <[redacted] (b) (6)>
Cc: Peter van-Dael [redacted] (b) (6)
Subject: Invitation for an expert panel webinar on the role of micronutrients and coronavirus

Dear Dr. Fanci,

I would like to address you for an expert panel webinar on the role of micronutrients and coronavirus

Due to the new coronavirus outbreak and the rapidly escalating global spread, lots of questions are raised regarding the role of micronutrients in supporting the immune system. DSM has reached out to me with a request to organize rapidly a focused expert panel in order to establish expert guidance summarizing key points with respect to the role of micronutrients in supporting our body's immune response, in light of the current general consciousness that among other factors nutrition is important in combatting infectious diseases. Peter Van Dael, head of Nutrition Science & Advocacy, is responsible for the coordination of this activity at DSM.

I agreed to take on this challenge and therefore intend to organize this expert panel through webinar in order to manage the challenges related to busy agendas and travel within the next week, if possible. The webinar is expected to last for about 3 hours maximum and would be facilitate through the distribution of a short background document I will share in order to facilitate the discussion.

I will try to reach out to you tomorrow by phone in order to review whether you would be available for this engagement and whether you would you have potential questions prior to agreeing to participate.

With our best regards,

Manfred Peter

Dr. Manfred Eggersdorfer

Professor for Healthy Ageing

(b) (6)

(b) (6)

Dr. Peter Van Dael

DSM Nutrition Science & Advocacy

From: [redacted] (b) (6)
Sent: Sun, 2 Feb 2020 18:20:17 -0500
To: Carlos del Rio
Subject: Re: [External] RE: Mexican researchers have defined the structure of the Corona virus

Very interesting.

On Feb 2, 2020, at 9:07 AM, Del Rio, Carlos [redacted] (b) (6) >wrote:

[redacted] (b) (6) sent me this update. Thought you would enjoy.
Interesting to see how they view outbreaks.....
Coronavirus news over the weekend was a small net positive (although there were plenty of negatives). Encouragingly, doctors appear to be having some success treating patients with existing antiviral drugs – GILD's remdesivir improved the clinical conditions of a coronavirus patient in Washington state (WSJ) while Thailand said it had achieved good results using antiviral drugs originally designed for the flu and HIV (Bloomberg). It's way too early to tell whether these drugs will perform well in other patients (and a vaccine is still some time away), but the progress noted in the US and Thailand is positive. The PBOC said it would inject CNY1.2T worth of liquidity on Monday 2/3 to ensure markets operate smoothly when they reopen from the New Year holiday (this works out to about CNY150B of net incremental liquidity given CNY1.05T of reverse reports are set to mature on Monday). The gov't also announced other steps (including waiving equity ownership limits for some insurers) aimed to bolstering market confidence. The global coronavirus case count continues to rise (it now stands at ~15K as of Sunday morning w/the death toll north of 300) while more travel restrictions are being imposed by governments and companies around the world (Apple said it would shutter all its stores and offices in China until Feb 9). According to a CNBC update, areas of China responsible for ~80% of GDP and ~90% of exports are set to stay closed until at least Feb 10.

Carlos del Rio, MD.
Sent from my iPhone

On Feb 1, 2020, at 11:13 PM, Fauci, Anthony (NIH/NIAID) [E] <[redacted] (b) (6) >wrote:

I love it! □□

-----Original Message-----
From: Del Rio, Carlos <[redacted](b) (6)>
Sent: Friday, January 31, 2020 10:05 AM
To: Fauci, Anthony (NIH/NIAID) [E] <[redacted](b) (6)
Subject: Mexican researchers have defined the structure of the Corona virus

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Sun, 2 Feb 2020 22:56:05 +0000
To: Cassetti, Cristina (NIH/NIAID) [E]
Subject: FW: coronavirus

From: Dr.h.c. Richard Hajdu [redacted (b) (6)]>
Sent: Sunday, February 2, 2020 2:00 PM
To: Fauci, Anthony (NIH/NIAID) [E] [redacted (b) (6)]
Subject: coronavirus

Dear Anthony Fauci.
I speak hard English so I write to you using google translator.
I have a cured corona virus cure. I am willing to provide you. In laboratory conditions you can try. This medicine can destroy the virus within 12 hours.
If you are interested, it is necessary to provide a way to deliver the medicine to you. I live in the Czech Republic. In the city of Brno.
Dr. Richard Hajdu

From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Sun, 2 Feb 2020 22:43:15 +0000
To: Cassetti, Cristina (NIH/NIAID) [E]
Subject: FW: coronavirus - easy, safe, and likely highly effective treatment.
Attachments: Corona Virus Solution b.docx, MedGasRes_2019_9_4_232_273962.pdf, published article on ozone and ebola 3578-10714-4-PB.pdf

Please handle.

From: Robert Jay Rowen (b) (6)>
Sent: Sunday, February 2, 2020 4:24 PM
To: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
Subject: coronavirus - easy, safe, and likely highly effective treatment.

Dear Dr. Fauci,
I am a mere clinician. But I have published repeatedly on a therapy which, I believe, will remedy patients with coronavirus and spare a possible catastrophe, if the virus is as lethal as it appears.
The therapy is ozone. It can be performed, depending on the method, for mere pennies in materials. It is not patentable, so, it lacks profitability needed for some payback for the basic research to get it "approved".
It attacks a key vulnerability on this virus and even Ebola. We got to 5 Ebola cases in Sierra Leone. All 5 recovered almost immediately. No sequela. No one has reported anything like that.
I have used ozone therapy for 33 years, ;longer than anyone in North America. It absolutely changed my practice. I write essentially no prescriptions for antibiotics, including for Lyme disease. This therapy, I recently published, might be the solution the world desperately needs for the emerging crisis in resistant infections.

I am attaching 2 papers I recently published on ozone therapy, And a manuscript we just got done to address corona virus, which I am trying to get published. It is not easy. The medical world is vested in Pharmaceuticals.

I urge you to please look at this. Not patentable, it will never be a darling of industry. But just for that reason (dirt cheap), it could be a savior for thousands or more who might die from a pandemic. I am coming to you about this as one physicist came to President Roosevelt about harnessing the power of the atom at the dawn of world war 2. I do hope you will take note of what I am forwarding to you.

> The first file is a word document I am seeking to get published. Usually, an author will hold up on making material like this public until he get published. However, with lives immediately on the line, we want to alert people that the does exist an available very inexpensive and extremely safe medical treatment for this and other infections.
>
> If you have questions, please contact me here.
> Sincerely,

Robert Jay Rowen, MD
(b) (6)

www.DrRowenDrSu.com
http://www.youtube.com/user/RobertRowenMD
https://www.facebook.com/DrRobertJRowen

" The doctor of the future will no longer treat the human frame with drugs, but rather will cure and prevent disease with nutrition" , Thomas Edison

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From: Fauci, Anthony (NIH/NIAID) [E]
Sent: Sun, 2 Feb 2020 22:40:07 +0000
To: Greg Folkers ((b) (6))
Cc: Conrad, Patricia (NIH/NIAID) [E]
Subject: FW: Getty images from coronavirus presser etc http://bit.ly/2GJ3u5F

See below the link that (b) (6) sent me. It is a picture of me briefing President Reagan at the NIH in 1988. Please insert it into our flickr file with the legend that I just gave. Thanks.

From: (b) (6) (NIH/CC/BEP) [E] (b) (6)
Sent: Sunday, February 2, 2020 5:11 PM
To: Fauci, Anthony (NIH/NIAID) [E] <(b) (6)
Subject: RE: Getty images from coronavirus presser etc http://bit.ly/2GJ3u5F

The oldest one in the batch:

https://www.gettyimages.com/detail/news-photo/dr-anthony-fauci-lecturing-to-pres-ronald-w-reagan-and-news-photo/50454084?adppopup=true

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From: Fauci, Anthony (NIH/NIAID) [E] (b) (6)>
Sent: Saturday, February 1, 2020 10:09 PM
To: (b) (6) (NIH/CC/BEP) [E] (b) (6)
Subject: FW: Getty images from coronavirus presser etc http://bit.ly/2GJ3u5F

fyi

From: Folkers, Greg (NIH/NIAID) [E] (b) (6)
Sent: Saturday, February 1, 2020 9:02 PM
To: NIAID OD AM <NIAIDODAM@niaid.nih.gov>
Subject: Getty images from coronavirus presser etc http://bit.ly/2GJ3u5F

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